

C.S. PROJECT

KENDRIYA VIDYALAYA NO.2 ITANAGAR



SESSION:- 2022-2023

TOPIC: HOSPITAL MANAGEMENT SYSTEM

SUBMITTED BY:

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SUBMITTED TO:

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CLASS:- 'XII' 'A'

ROLL NO.:- 24

CBSE ROLL NO.:-

CERTIFICATE

This is to certify that **JATIN KUMAR** of class: **XII A** of **KENDRIYA VIDYALAYA NO.2** has done his project on **HOSPITAL MANAGEMENT SYSTEM** under my supervision. He has taken interest and has shown at most sincerity in completion of this project.

I certify this project up to my expectation & as per guidelines issued by **CBSE, NEW DELHI**.

Internal Examiner

External Examiner

principal

ACKNOWLEDGMENT

It is with pleasure that I acknowledge my sincere gratitude to our teacher, **MR. S.K. MISRA** who taught and undertook the responsibility of teaching the subject computer science. I have been greatly benefited from his classes.

I am especially indebted to our Principal **MR. K R MEENA** who has always been a source of encouragement and support and without whose inspiration this project would not have been a successful I would like to place on record heartfelt thanks to him.

Finally, I would like to express my sincere appreciation for all the other students for my batch their friendship & the fine time that we all shared together

HARDWARE AND SOFTWARE REQUIRED

HARDWARE

1. PC
2. MOBILE PHONE

SOFTWARE

- PYTHON (latest version)
- MYSQL
- PYTHON CONNECTOR



HOSPITAL

A hospital is a health care institution providing patient treatment with specialized staff and equipment. Hospitals are usually funded by public sector by health organizations (for profit or non-profit), by health insurance companies, or by departments (e.g., surgery, and urgent care etc).

HOSPITAL MANAGEMENT SYSTEM

A hospital management system is an information system that manages the aspects of a hospital. This may include the administrative, financial, and medical processing. It is an integrated end-to-end Hospital Management System that provides relevant information across the hospital to support effective decision making for patient care, hospital administration and critical financial accounting, in a seamless flow. This program can look after inpatients, OPD patients, records, database treatment, status illness, billing etc. It also maintains their hospital info such as ward id, Doctor in charge, Department administering etc.

NEED OF HMS

1. Minimized documentation and no duplication of records.
2. Reduced paper work.
3. Improved patient care
4. Better Administration Control
5. Faster information flow between various departments
6. Smart Revenue Management
7. Effective billing of various services
8. Exact stock information

INTRODUCTION

The project Hospital Management System includes registration of patients, storing their details into the system. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id. The Hospital Management System can be entered using a username and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The interface is very user-friendly. The data are well protected for personal use and makes the data processing very fast. The purpose of the project entitled as “HOSPITAL MANAGEMENT SYSTEM” is to computerize the Front Office Management of Hospital to develop software which is user friendly, simple, fast, and cost-effective. It deals with the collection of patient’s information, diagnosis details, etc., and also to manipulate these details meaningfully System input contains patient details, diagnosis details; while system output is to get these details on to the screen.

EXISTING SYSTEM

- ❖ In today's world if someone wants to book a Doctor's Appointment we need to call in clinic or personally go to that place and book the appointment.
- ❖ This consumes precious time of the patient. Also if the doctor cancels his /her schedule, the patient does not come to know about it unless he/she goes to the clinic.

DISADVANTAGES OF EXISTING SYSTEM

1. Lack of privacy
2. Risk in the management of the data.
3. Less security
4. Less user-friendly
5. Accuracy nor guaranteed
6. Not in reach of distant users.
7. There is no storage and automation if users have some enquiry.

ADVANTAGES OF HMS

- Less paperwork
- Costs Reduction
- Improves patient's experience
- Improve data security
- Better collaboration & Communication
- Analytic anytime anywhere

MODULE LIST

ADMIN

- ADD PATIENTS
- ADD STAFF
- VIEW PATIENTS RECORD
- VIEW STAFF RECORD
- CHANGE PASSWORD
- REMOVE PATIENTS
- REMOVE STAFF
- UPDATE PATIENT
- UPDATE STAFF INFORMATION
- ADD DOCTOR
- REMOVE DOCTOR
- CHECK DOCTOR JOB STATUS

PATIENT

- BOOK APPOINTMENT
- FIND DOCTOR
- VIEW DOCTOR PROFILE

DOCTER

- LOGIN
- APPLY JOB
- VIEW APPOINTMENT

```
# python connector
```

```
import mysql.connector
```

```
obj=mysql.connector.connect(host="localhost",user="root",passwd="Jatin@2005" )  
mycursor=obj.cursor()
```

```
# create databases
```

```
mycursor.execute("create database if not exists covid")  
mycursor.execute("use covid")
```

```
# create table for patient
```

```
mycursor.execute("create table if not exists patient(patientid int auto_increment primary key,pname varchar(30) not null,page int(3)not  
null,pgender varchar(6) not null,phoneno bigint(10) not null,admitdate date,patient_problem varchar(30) not null)")
```

```
# create table for staff
```

```
mycursor.execute("create table if not exists staff(staffid int auto_increment primary key,staffname varchar(30)not null,staffage int not  
null,staffgender varchar(6)not null,staffphoneno bigint not null,dateofjoining date,salary int)")
```

```
# create table for change the password of admin section
```

```
mycursor.execute("create table if not exists password(password varchar(30) not null)")
```

```
# create table for patientrecord
```

```
mycursor.execute("create table if not exists patientrecord(patientid int not null,pname varchar(30) not null,page int(3) not null,pgender  
varchar(6) not null,phoneno bigint(10) not null,admitdate date,dischargedate date)")
```

```
# create table for staffrecord
```

```
mycursor.execute("create table if not exists staffrecord(staffid int not null,staffname varchar(30)not null,staffage int not null,staffgender  
varchar(6)not null,staffphoneno bigint not null,joiningdate date,salary int,total_working_day date)")
```

```
# create table for doctor
```

```
mycursor.execute("create table if not exists doctor(doctorid int auto_increment primary key,doctorname varchar(40)not null,department  
varchar(40)not null,gender varchar(6) not null,work_experience int(5) not null,phone_number bigint(10) not null,dateofjoinig date,salary int  
(10)not null)")
```

```
# create table for department wise salary
```

```
mycursor.execute("create table if not exists salary(department varchar(40)not null,salary int(7) not null)")
```

```
# create table for doctor job
```

```
mycursor.execute("create table if not exists job(apply_id int auto_increment primary key,apply_job_date date,dname varchar(40),department  
varchar(10),work_experience int(5),gender varchar(6),phone_number bigint(10) not null,status varchar(10))")
```

```
# create table for doctor record
```

```
mycursor.execute("create table if not exists doctorrecord(doctorid int ,doctorname varchar(40)not null,department varchar(40)not null,gender  
varchar(6) not null,phone_number bigint(10) not null,dateofjoining date,date_of_relived date)")
```

Activate Windows

Activate Windows
Go to Settings to activate Windows.

```

# create table for symptoms and department
mycursor.execute("create table if not exists symptoms_and_dept(symptoms varchar(50) , department varchar(40))")

# create table for login
mycursor.execute("create table if not exists login(name varchar(30) not null,mobile_number bigint(10) unique,password varchar(20) unique)")

# create table for appointment
mycursor.execute("create table if not exists appointment(patient_name varchar(30)not null,age int(2)not null,gender varchar(6)not
null,mobile_number bigint(10)not null,doctorid int(12) not null,department varchar(40))")

# create table for treatment price
mycursor.execute("create table if not exists treatment_price(symptoms varchar(20)not null,price float(10)not null)")

obj.commit()

# for admin
def admin():
    n="n"
    while n!="n":
        print(" ")
        print("***** 15,"WELCOME TO ADMIN SECTION","***** 15)
        print("-----")
        print(" |   press 1 for ADD PATIENTS:   |")
        print("-----")
        print(" |   press 2 for ADD STAFF:     |")
        print("-----")
        print(" |   press 3 for DISPLAY PATIENTS RECORD: |")
        print("-----")
        print(" |   press 4 for DISPLAY STAFF RECORD: |")
        print("-----")
        print(" |   press 5 for CHANGE PASSWORD: |")
        print("-----")
        print(" |   press 6 for REMOVE PATIENTS: |")
        print("-----")
        print(" |   press 7 for REMOVE STAFF: |")
        print("-----")
        print(" |   press 8 for UPDATE PATIENT: |")
        print("-----")
        print(" |   press 9 for UPDATE STAFF |")
        print("-----")
        print(" |   press 10 for ADD DOCTOR |")
        print("-----")
        print(" |   press 11 for REMOVE DOCTOR |")
        print("-----")
        print(" |   press 12 for Approval required |")
        print("-----")
        print(" |   press 13 for LOGOUT: |")
        print("-----")
        choice=int(input())
        if choice==1:
            addpatients()
        elif choice==2:
            addstaff()
        elif choice==3:
            patientsrecord()
        elif choice==4:
            staffrecord()
        elif choice==5:
            changepassword()
        elif choice==6:
            removepatients()

```

Activate Windows

Activate W
Go to Settings

```

elif choice==7:
    removestaff()
elif choice==8:
    update_patient()
elif choice==9:
    update_staff()
elif choice==10:
    add_doctor()
elif choice==11:
    removedoctor()
elif choice==12:
    Approvalrequired()
elif choice==13:
    front()
else:
    print("!"*15,"INVALID CHOICE",!"*15)

```

for add patients

```
def addpatients():
```

```
    y="y"
```

```
    while y=="y":
```

```
        p=0
```

```
        print("!"*17,"ENTER PATIENT DETAILS",!"*17)
```

```
        patientname=input("enter patient name:")
```

```
        for item in patientname:
```

```
            if item.isdigit()==True:
```

```
                p=p+1
```

```
            else:
```

```
                pass
```

```
        if p==0:
```

```
            age=input("enter patient age:")
```

```
            if age.isdigit()!=True:
```

```
                print("\n!!!!!!!!!!!!!!!!!!!!invalid age!!!!!!!!!!!!!!!!!!!!")
```

```
                print("          please try again          ")
```

```
                addpatients()
```

```
        else:
```

```
            print("\n!!!!!!!!!!!!!!!!!!!!INVALID NAME!!!!!!!!!!!!!!!!!!!!")
```

```
            print("          please try again          ")
```

```
            print("")
```

```
            addpatients()
```

```
            return
```

```
print("!"*13,"select your gender",!"*13)
```

```
print("if patient is male then press 1")
```

```
print("if patient is female then press 2")
```

```
choice=int(input())
```

```
if choice==1:
```

```
    gender="male"
```

```
    pass
```

```
elif choice==2:
```

```
    gender="female"
```

```
    pass
```

Activa

```

else:
    print("!"*15,"INVALID CHOICE",!"*15)
    addpatients()
    return

phnumber=input("enter the patient 10 digit phone number:")
if len(phnumber)==10:
    if phnumber.isalpha():
        print("invalid mobile number")

    else:
        if phnumber.isdigit()!=True:
            print("!"*15,"invalid mobile number",!"*15)
            addpatients()

        else:
            if phnumber.startswith("0"):
                print("!"*13,"mobile number can not start with 0",!"*13)
            else:

                print("!"*15,"enter patient problem", "*"15)
                print("1. eye problem")
                print("2. ear problem")
                print("3. nose problem")
                print("4. throat problem")
                print("5. hormones problem")
                print("6. mouth problem")
                print("7. any surgiical")
                print("8. bone problem")
                print("9. sugar patient")
                print("10. Skin problem")
                print("11. child problem")
                print("12. other problem")

                ch=int(input("enter the choice:"))
                if ch==1:
                    q="eye problem"
                    pass
                elif ch==2:
                    q="ear problem"
                    pass
                elif ch==3:
                    q="nose problem"
                    pass
                elif ch==4:
                    q="throat problem"
                    pass

```

```

elif ch==5:
    q="hormones problem"
    pass
elif ch==6:
    q="mouth problem"
    pass
elif ch==7:
    q="surgiical problem"
    pass
elif ch==8:
    q="bone problem"
    pass
elif ch==9:
    q="sugar problem"
    pass
elif ch==10:
    q="Skin problem"
    pass
elif ch==11:
    q="child problem"
    pass
elif ch==12:
    q="other problem"
    pass

else:
    print("invalid choice")
    addpatients()

a="insert into patient values({}, '{}', {}, '{}', {}, {}, '{}')".format('patientid=patientid+100',patientname,
                                                                    age,gender,phnumber,"curdate()",q)

mycursor.execute(a)

patientid="select patientid from patient where pname='{}' and page={}".format(patientname,age)
mycursor.execute(patientid)
patientid=mycursor.fetchall()

print("\n*****patient add SUCCESSFUL and patient id is",patientid[0][0], "*****")

obj.commit()

```

```

y=input("Do you want to add more patient(y/n):")
if y=="y":
    addpatients()

else:
    admin()

else:
    print("\n!!!!!!!!!!!!!!!!!!!!invalid phone number!!!!!!!!!!!!!!!!!!!!")
    print("           please try again           ")

obj.commit()

# for add staff

def addstaff():
    y="y"
    while y=="y":
        p=0

        print("****17,ENTER STAFF DETAILS,****17)
        staffname=input("enter the staff name:")
        for item in staffname:
            if item.isdigit()==True:
                p=p+1
            else:
                pass

        if p==0:

            staffage=input("enter the age of staff:")
            if staffage.isdigit()!=True:
                print("!*17,invalid AGE,!*17)
                print("           please try again           ")
                addstaff()

```


else:

```
print("""13,"select gender",""13)
print("if staff is male then press 1")
print("if staff is female the press 2")
choice=int(input())
if choice==1:
    gender="male"
    pass
elif choice==2:
    gender="female"
    pass
else:
    print("""15,"INVALID CHOICE",""15)
    addstaff()
    return
staffphnumber=input("enter the staff phone number:")
if len(staffphnumber)==10:
    if staffphnumber.isalpha():
        print("""15,"invalid mobile number",""15)
        addstaff()
    else:
        if staffphnumber.isdigit()!=True:
            print("""15,"invalid mobile number",""15)
            addstaff()
        else:
            if staffphnumber.startswith("0"):
                print("""13,"mobile number can not start with 0",""13)
            else:
                salary=input("enter the salary")
                if salary.isdigit()!=True:
                    print("""15,"INVALID SALARY",""15)
                    addstaff()
                else:
                    a="insert into staff values({}, '{}', {}, '{}', {}, {}, {})".format('staffid=staffid+100',
                                                                                       staffname,staffage,gender,
                                                                                       staffphnumber,"curdate()",
                                                                                       salary)
                    mycursor.execute(a)

                    staffid="select staffid from staff where staffname='{}' and staffage={}".format(staffname,
                                                                                                   staffage)
```

```

        mycursor.execute(staffid)
        staffid=mycursor.fetchall()
        print("\n*****STAFF add SUCCESSFUL and STAFF ID is",staffid[0][0],*****")
        obj.commit()
        y=input("Do you want to add more staff(y/n):")
        if y=="y":
            addstaff()
        else:
            admin()

    else:
        print("!*17,invalid PHONE NUMBER,!*17)
        print("        please try again        ")
        addstaff()
else:
    print("!*17,invalid NAME,!*17)
    print("        please try again        ")
    addstaff()
return

```

for patient record

def patientsrecord():

 y="y"

 while y=="y":

 pid=input("enter patient ID:")

 if pid.isdigit()!=True:

 print("!*15,INVALID ID,!*15)

 else:

 a="select patientid from patient where patientid={}".format(pid)

 mycursor.execute(a)

 b=mycursor.fetchall()

 if len(b)<1:

 a="select patientid from patientrecord where patientid={}".format(pid)

 mycursor.execute(a)

 b=mycursor.fetchall()

 if len(b)<1:

 print("!*17,INVALID PATIENT ID,!*17)

 print("OR".center(50))

```

    print("!"*12," if ID is incorrect, please try again","!"*12)
else:
    result="select * from patientrecord where patientid={}".format(pid)
    mycursor.execute(result)
    result1=mycursor.fetchall()
    print("!"*12,"PATIENT DETAILS ARE GIVEN BELOW:",!"*12)
    print("\n        patient id is:",result1[0][0])
    print("\n        patient name is:",result1[0][1])
    print("\n        patient age is:",result1[0][2])
    print("\n        patient gender is:",result1[0][3])
    print("\n        patient phone number is:",result1[0][4])
    print("\n        patient admit date:",result1[0][5])
    print("\n        patient discharge date:",result1[0][6])
    y=input("Do you want more patient record(y/n):")
else:
    result="select * from patient where patientid={}".format(pid)
    mycursor.execute(result)
    result1=mycursor.fetchall()
    print("!"*12,"PATIENT DETAILS ARE GIVEN BELOW:",!"*12)
    print("\n        patient id is:",result1[0][0])
    print("\n        patient name is:",result1[0][1])
    print("\n        patient age is:",result1[0][2])
    print("\n        patient gender is:",result1[0][3])
    print("\n        patient problem:",result1[0][6])
    print("\n        patient phone number is:",result1[0][4])
    print("\n        patient admit date:",result1[0][5])
    y=input("Do you want more patient record(y/n):")

```

```
# for staff record
```

```
def staffrecord():
```

```
    y="y"
```

```
    while y=="y":
```

```
        sid=input("enter staff ID:")
```

```
        if sid.isdigit()!=True:
```

```
            print("!"*15,"INVALID ID",!"*15)
```

```
        else:
```

```
            a="select staffid from staff where staffid={}".format(sid)
```

```
            mycursor.execute(a)
```

```
            b=mycursor.fetchall()
```

```
            if len(b)<1:
```

```
                a="select staffid from staffrecord where staffid={}".format(sid)
```

```
                mycursor.execute(a)
```

```
                b=mycursor.fetchall()
```

```
            if len(b)<1:
```

```
                print("!"*17,"INVALID PATIENT ID",!"*17)
```

```
                print("OR".center(50))
```

```
                print("!"*12,"CHECK IN PRESENT STAFF RECORD",!"*12)
```

```
                print("!"*12," if ID is incorrect, please try again",!"*12)
```

```
            else:
```

```
                result="select * from staffrecord where staffid={}".format(sid)
```

```
                mycursor.execute(result)
```

```
                result1=mycursor.fetchall()
```

```
                print("!"*12,"STAFF DETAILS ARE GIVEN BELOW:",!"*12)
```

```
                print("\n        staff id is:",result1[0][0])
```

```
                print("\n        staff name is:",result1[0][1])
```

```
                print("\n        ataff age is:",result1[0][2])
```

```
                print("\n        staff gender is:",result1[0][3])
```

```
                print("\n        staff phone number is:",result1[0][4])
```

```
                print("\n        staff date of joining:",result1[0][5])
```

```
                print("\n        staff salary: Rs",result1[0][6])
```

```
                print("\n        staff total working day:",result1[0][7])
```

```
                y=input("Do you want more staff record(y/n):")
```

```

else:
    result="select * from staff where staffid={}".format(sid)
    mycursor.execute(result)
    result1=mycursor.fetchall()
    print("""12,"STAFF DETAILS ARE GIVEN BELOW:"""12)
    print("\n      staff id is:",result1[0][0])
    print("\n      staff name is:",result1[0][1])
    print("\n      staff age is:",result1[0][2])
    print("\n      staff gender is:",result1[0][3])
    print("\n      staff phone number is:",result1[0][4])
    print("\n      staff date of joining:",result1[0][5])
    print("\n      staff salary: Rs",result1[0][6])
    y=input("Do you want more staff record(y/n):")

```

for change password

```

def changepassword():
    old=input("enter the old password:")
    password1="select * from password"
    mycursor.execute(password1)
    password2=mycursor.fetchall()
    if old==password2[0][0]:
        new=input("enter the new password:")
        new1=input("re-enter the new password:")
        if new==new1:
            a="insert into password values('{}')".format(new1)
            mycursor.execute(a)
            b="delete from password where password='{}'".format(old)
            mycursor.execute(b)
            obj.commit()
            print("""17,"PASSWORD CHANGE SUCCESSFUL","""17)
        else:
            print("\n*****INCORRECT PASSWORD!!!*****")
            print("*****TRY AGAIN*****")

```

```
# for remove patient from hospital
```

```
def removepatients():
```

```
    y="y"
```

```
    while y!="y":
```

```
        ID=int(input("enter patient id "))
```

```
        a="select * from patient where patientid={}".format(ID)
```

```
        mycursor.execute(a)
```

```
        result1=mycursor.fetchall()
```

```
        if len(result1)<1:
```

```
            b="select * from patientrecord where patientid={}".format(ID)
```

```
            mycursor.execute(b)
```

```
            result2=mycursor.fetchall()
```

```
            if len(result2)<1:
```

```
                print("\n#####PATIENT ID ARE NOT CORRECT!!!!#####")
```

```
        else:
```

```
            print("#####PATIENT IS ALREADY REMOVE!!!!!!##### ")
```

```
            admin()
```

```
    else:
```

```
        print("Do you confirm remove this",ID,"if yes press(y) else press any key except(y):")
```

```
        ch=input("")
```

```
        if ch=="y":
```

```
            b="select * from patient where patientid={}".format(ID)
```

```
            mycursor.execute(b)
```

```
            result2=mycursor.fetchall()
```

```
            pname=result2[0][1]
```

```
            page=result2[0][2]
```

```
            pgender=result2[0][3]
```

```
            phoneno=result2[0][4]
```

```
            admitdate=result2[0][5]
```

```
            admitdate=str(admitdate)
```

```
            admitdate=admitdate.replace("-", "")
```

```
            patientrecord="insert into patientrecord values({},'{}',{},'{}',{},{},".format(ID,pname,  
                page,pgender,phoneno,admitdate,"curdate()")
```

```
            mycursor.execute(patientrecord)
```

```
    |
```

```
deletpatient="delete from patient where patientid={}".format(ID)
mycursor.execute(deletpatient)
```

```
print("\n*****DISCHARGE SUCCESSFUL*****")
```

```
obj.commit()
```

```
y=input("Do you want more remove patient(y/n):")
```

```
else:
```

```
admin()
```

```
# for Remove staff
```

```
def removestaff():
```

```
    y="y"
```

```
    while y=="y":
```

```
        ID=int(input("enter staff id "))
```

```
        a="select * from staff where staffid={}".format(ID)
```

```
        mycursor.execute(a)
```

```
        result1=mycursor.fetchall()
```

```
        if len(result1)<1:
```

```
            b="select * from staffrecord where staffid={}".format(ID)
```

```
            mycursor.execute(b)
```

```
            result2=mycursor.fetchall()
```

```
            if len(result2)<1:
```

```
                print("\n#####STAFF ID ARE NOT CORRECT!!!!#####")
```

```
            else:
```

```
                print("#####STAFF IS ALREADY REMOVE!!!!##### ")
```

```
        else:
```

```
            print("Do you confirm remove this",ID,"if yes press(y) else press any key except(y):")
```

```
            ch=input("")
```

```

if ch=="y":

    b="select * from staff where staffid={}".format(ID)
    mycursor.execute(b)
    result2=mycursor.fetchall()

    staffname=result2[0][1]
    staffage=result2[0][2]
    staffgender=result2[0][3]
    staffphoneno=result2[0][4]
    staffjoiningdate=result2[0][5]
    staffjoiningdate=str(staffjoiningdate)
    staffjoiningdate=staffjoiningdate.replace("-", "")

    salary=result2[0][6]
    staffrecord="insert into staffrecord values({}, {}, {}, {}, {}, {}, {})".format(ID, staffname, staffage,
                                                                                   staffgender, staffphoneno, staffjoiningdate, salary, "curdate()")
    mycursor.execute(staffrecord)

    deletestaff="delete from staff where staffid={}".format(ID)
    mycursor.execute(deletestaff)
    print("\n*****REMOVE SUCCESSFUL*****")
    obj.commit()
    y=input("Do you want more remove patient(y/n):")
else:

    admin()

# for update patient information

def update_patient():
    y="y"
    while y=="y":
        ID=input("enter patient ID :")
        if ID.isdigit()!=True:
            print("!"*15,"INVALID ID",!"*15)
        else:
            a="select * from patient where patientid={}".format(ID)
            mycursor.execute(a)
            result1=mycursor.fetchall()
            if len(result1)<1:
                print("\n#####PATIENT ID ARE NOT CORRECT!!!!#####")
                print("           please try again           ")

```


else:

```
print("what do you want to update??")
print("press 1 for update patient name")
print("press 2 for update patient age")
print("press 3 for update patient gender")
print("press 4 for update patient phone number")
ch=int(input(""))
```

```
if ch==1:
```

```
    update_patient_name(ID)
```

```
elif ch==2:
```

```
    update_patient_age(ID)
```

```
elif ch==3:
```

```
    print("if patient is male then press 1")
```

```
    print("if patient is female then press 2")
```

```
    choice=int(input())
```

```
    if choice==1:
```

```
        update_patient_male(ID)
```

```
    elif choice==2:
```

```
        update_patient_female(ID)
```

```
    else:
```

```
        print("!"*15,"INVALID CHOICE",!"*15)
```

```
elif ch==4:
```

```
    update_patient_phone_number(ID)
```

```
else:
```

```
    print("!"*15,"INVALID CHOICE",!"*15)
```

```
y=input("Do you want to update the details of more patients??(y/n):")
```

```

# for update patient name
def update_patient_name(ID):

    p=0
    name=input("enter patient name:")
    for item in name:
        if item.isdigit()==True:
            p=p+1
        else:
            pass

    if p==0:

        up="update patient set pname='{}' where patientid={}".format(name,ID)
        mycursor.execute(up)
        obj.commit()
        print("*****15,"PATIENT NAME UPDATE SUCCESSFUL",*****15)
        y=input("Do you want to update the name of more patient??(y/n):")
        if y=="y":
            update_patient()
        else:
            admin()

    else:
        print("!*15,"INVALID NAME",!*15)

```

```

# for update patient age
def update_patient_age(ID):

    age=input("enter patient age:")
    if age.isdigit()!=True:
        print("!*15,"INVALID AGE",!*15)
        update_patient_age(ID)
    else:
        up="update patient set page={} where patientid={}".format(age,ID)
        mycursor.execute(up)
        obj.commit()
        print("*****15,"PATIENT AGE UPDATE SUCCESSFUL",*****15)
        y=input("Do you want to update the age of more patient??(y/n):")
        if y=="y":
            update_patient()
        else:
            admin()

```

```
# for update patient gender if male
```

```
def update_patient_male(ID):
```

```
    gender="male"
```

```
    up="update patient set pgender='{}' where patientid={}".format(gender,ID)
```

```
    mycursor.execute(up)
```

```
    obj.commit()
```

```
    print("****15,"PATIENT GENDER UPDATE SUCCESSFUL", "****15)
```

```
    y=input("Do you want to update the gender of more patient??(y/n):")
```

```
    if y=="y":
```

```
        update_patient()
```

```
    else:
```

```
        admin()
```

```
# for update patient gender if female
```

```
def update_patient_female(ID):
```

```
    gender="female"
```

```
    up="update patient set pgender='{}' where patientid={}".format(gender,ID)
```

```
    mycursor.execute(up)
```

```
    obj.commit()
```

```
    print("****15,"PATIENT GENDER UPDATE SUCCESSFUL", "****15)
```

```
    y=input("Do you want to update the gender of more patient??(y/n):")
```

```
    if y=="y":
```

```
        update_patient()
```

```
    else:
```

```
        admin()
```

```

# for update patient phone number
def update_patient_phone_number(ID):

    phone=input("enter the patient 10 digit phone number:")
    if len(phone)==10:
        if phone.isalpha():
            print("invalid mobile number")
            update_patient_phone_number(ID)

        else:
            if phone.isdigit()!=True:
                print("!"*15,"invalid mobile number",!"*15)
                update_patient_phone_number(ID)

            else:
                if phone.startswith("0"):
                    print("!"*13,"mobile number can not start with 0",!"*13)
                    update_patient_phone_number(ID)
                else:

                    up="update patient set phoneno={} where patientid={}".format(phone,ID)
                    mycursor.execute(up)
                    obj.commit()
                    print("!"*15,"PATIENT PHONE NUMBER UPDATE SUCCESSFUL",!"*15)
                    y=input("Do you want to update the gender of more patient??(y/n):")
                    if y=="y":
                        update_patient()
                    else:
                        admin()

    else:
        print("!"*15,"INVALID PHONE NUMBER",!"*15)
        update_patient_phone_number(ID)

```

```

# for update staff information
def update_staff():
    y="y"
    while y=="y":
        ID=input("enter staff id:")
        if ID.isdigit()!=True:
            print("!"*15,"INVALID ID",!"*15)
        else:
            a="select * from staff where staffid={} ".format(ID)
            mycursor.execute(a)
            result1=mycursor.fetchall()
            if len(result1)<1:
                print("\n#####SATFF ID ARE NOT CORRECT!!!!#####")
                print("           please try again           ")
            else:

                print("what do you want to update??")
                print("press 1 for update staff name")
                print("press 2 for update staff age")
                print("press 3 for update staff gender")
                print("press 4 for update staff phone number")
                print("press 5 for update staff salary")
                ch=int(input(""))
                if ch==1:
                    update_staff_name(ID)
                elif ch==2:
                    update_staff_age(ID)

                elif ch==3:
                    print("if staff is male then press 1")
                    print("if staff is female then press 2")
                    choice=int(input())
                    if choice==1:
                        update_staff_male(ID)
                    elif choice==2:
                        update_staff_female(ID)
                else:
                    print("!"*15,"INVALID CHOICE",!"*15)
                    print("!"*15,"TRY AGAIN",!"*15)

```

```

elif ch==4:
    update_staff_phone(ID)

elif ch==5:
    update_staff_salary (ID)

else:
    print("!"*15,"INVALID CHOICE",!"*15)
    print("!"*15,"TRY AGAIN",!"*15)

```

for update staff name

```

def update_staff_name(ID):
    p=0

    name=input("enter staff name:")
    for item in name:
        if item.isdigit()==True:
            p=p+1
        else:
            pass

    if p==0:

        up="update staff set staffname='{}' where staffid={}".format(name,ID)
        mycursor.execute(up)
        obj.commit()
        print("!"*15,"STAFF NAME UPDATE SUCCESSFUL",!"*15)
        y=input("Do you want to update the details of more staff??(y/n):")
        if y=="y":
            update_staff()
        else:
            admin()
    else:
        print("!"*15,"INVALID NAME",!"*15)
        print("!"*15,"TRY AGAIN",!"*15)
        update_staff_name(ID)

```

```

# for update staff age
def update_staff_age(ID):

    age=input("enter staff age:")
    if age.isdigit()!=True:
        print("!"*15,"INVALID AGE",!"*15)
        print("!"*15,"TRY AGAIN",!"*15)
        update_staff_age(ID)
    else:
        up="update staff set staffage={} where staffid={}".format(age,ID)
        mycursor.execute(up)
        obj.commit()
        print("!"*15,"STAFF AGE UPDATE SUCCESSFUL",!"*15)
        y=input("Do you want to update the age of more staff??(y/n):")
        if y=="y":
            update_staff()
        else:
            admin()

# for update staff gender if male
def update_staff_male(ID):

    gender="male"
    up="update staff set staffgender='{}' where staffid={}".format(gender,ID)
    mycursor.execute(up)
    obj.commit()
    print("!"*15,"STAFF GENDER UPDATE SUCCESSFUL",!"*15)
    y=input("Do you want to update the details of more staff??(y/n):")
    if y=="y":
        update_staff()
    else:
        admin()

```

```
# for update staff gender if female
```

```
def update_staff_female(ID):
```

```
    gender="female"
```

```
    up="update staff set staffgender='{}' where staffid={}".format(gender,ID)
```

```
    mycursor.execute(up)
```

```
    obj.commit()
```

```
    print("*****15,"STAFF GENDER UPDATE SUCCESSFUL",*****15)
```

```
    y=input("Do you want to update the details of more staff??(y/n):")
```

```
    if y=="y":
```

```
        update_staff()
```

```
    else:
```

```
        admin()
```

```
# for update staff phone number
```

```
def update_staff_phone(ID):
```

```
    phone=input("enter the staff 10 digit phone number:")
```

```
    if len(phone)==10:
```

```
        if phone.isalpha():
```

```
            print("invalid mobile number")
```

```
            update_staff_phone(ID)
```

```
        else:
```

```
            if phone.isdigit()!=True:
```

```
                print("!*"*15,"invalid mobile number",!*"*15)
```

```
                update_staff_phone(ID)
```

```
            else:
```

```
                if phone.startswith("0"):
```

```
                    print("!*"*13,"mobile number can not start with 0",!*"*13)
```

```
                    update_staff_phone(ID)
```

```
                else:
```

```
                    up="update staff set staffphoneno={} where staffid={}".format(phone,ID)
```

```
                    mycursor.execute(up)
```

```
                    obj.commit()
```

```
                    print("*****15,"STAFF PHONE NUMBER UPDATE SUCCESSFUL",*****15)
```

```
                    y=input("Do you want to update the details of more staff??(y/n):")
```



```

        if y=="y":
            update_staff()

        else:
            admin()
else:
    print("!"*15,"INVALID PHONE NUMBER","!"*15)
    print("!"*15,"TRY AGAIN","!"*15)
    update_staff_phone(ID)

```

for update staff salary

```
def update_staff_salary(ID):
```

```
    salary= input("enter the salary")
```

```
    if salary.isdigit()!=True:
```

```
        print("!"*15,"INVALID SALARY","!"*15)
```

```
        update_staff_salary(ID)
```

```
    else:
```

```
        up="update staff set salary={} where staffid={}".format(salary,ID)
```

```
        mycursor.execute(up)
```

```
        obj.commit()
```

```
        print("!"*15,"SALARY UPDATE SUCCESSFUL","!"*15)
```

```
        y=input("Do you want to update the details of more staff??(y/n):")
```

```
        if y=="y":
```

```
            update_staff()
```

```
        else:
```

```
            admin()
```

```

# for add doctor
def add_doctor():
    p=0
    print("""15," ENTER DOCTOR DETAILS", ""15)
    name=input("enter doctor name:")
    for item in name:
        if item.isdigit()==True:
            p=p+1
        else:
            pass

    if p==0:
        department=input("enter the department:")
        for item in department:

            if item.isdigit()==True:
                p=p+1
            else:
                pass

        if p==0:
            print("if doctor is male then press 1")
            print("if doctor is female then press 2")
            choice=int(input())
            if choice==1:
                gender="male"
                pass
            elif choice==2:
                gender="female"
                pass
            else:
                print("""13,"invalid choice", ""13)
                add_doctor()

    work_experience=input("enter the workexperience(in year):")
    if work_experience.isdigit()==True:
        phone_number=input("enter the patient 10 digit phone number:")
        if len(phone_number)==10:
            if phone_number.isalpha():
                print("invalid mobile number")
                add_doctor()

```

```

else:
    if phone_number.isdigit()!=True:
        print("!*15,"invalid mobile number",!*15)
        add_doctor()

    else:
        if phone_number.startswith("0"):
            print("!*13,"mobile number can not start with 0",!*13)
            add_doctor()
        else:
            salary=input("enter salary:")
            if salary.isdigit()==True:
                a="insert into doctor values({},'{}','{}','{}',{},{},{})".
                format('null',name,department,gender,work_experience,
                    phone_number,"curdate()",salary)

                mycursor.execute(a)
                obj.commit()

                doctorid=""select doctorid from doctor where doctorname='{}'
                and department='{}'"".format(name,department)
                mycursor.execute(doctorid)
                doctorid=mycursor.fetchall()

                print("!*15,"DOCTOR ADD SUCCESSFUL AND DOCTOR ID ",doctorid[0][0],!*15)

            else:
                print("\n!!!!!!!!!!!!!!!!!!!!!!invalid salary!!!!!!!!!!!!!!!!!!!!!!")
                print("          please try again          ")
                add_doctor()

    else:
        print("!*15,"invalid mobile number",!*15)
        add_doctor()

else:
    print("\n!!!!!!!!!!!!!!!!!!!!!!invalid work experience!!!!!!!!!!!!!!!!!!!!!!")
    print("          please try again          ")
    add_doctor()

```

```
else:
    print("\n!!!!!!!!!!!!!!!!!!!!invalid department!!!!!!!!!!!!!!!!!!!!")
    print("                please try again                ")
    add_doctor()
```

```
else:
    print("!"*15,"invalid name",!"*15)
    add_doctor()
```

for Remove doctor

```
def removedoctor():
    y="y"
    while y=="y":
        ID=int(input("enter doctor id "))
        a="select * from doctor where doctorid={} ".format(ID)
        mycursor.execute(a)
        result1=mycursor.fetchall()
        if len(result1)<1:
            b="select * from doctorrecord where doctorid={} ".format(ID)
            mycursor.execute(b)
            result2=mycursor.fetchall()
            if len(result2)<1:
                print("\n#####DOCTOR ID ARE NOT CORRECT!!!!#####")
            else:
                print("##### DOCTOR IS ALREADY REMOVE!!!!!!##### ")

    else:
        print("Do you confirm remove this",ID,"if yes press(y) else press any key except(y):")
        ch=input("")
```

```

if ch=="y":

    b="select * from doctor where doctorid={}".format(ID)
    mycursor.execute(b)
    result2=mycursor.fetchall()

    doctorname=result2[0][1]
    dateofjoinig=result2[0][6]
    dateofjoinig=str(dateofjoinig)
    dateofjoinig=dateofjoinig.replace("-", "")
    department=result2[0][2]
    gender=result2[0][3]
    phone_number=result2[0][5]

    doctorrecord="insert into doctorrecord values({},'{}','{}','{}','{}','{}')".format(ID,doctorname,department,gender,
                                                                                       phone_number,dateofjoinig,"curdate()")
    mycursor.execute(doctorrecord)

    deletedoctor="delete from doctor where doctorid={}".format(ID)
    mycursor.execute(deletedoctor)
    print("\n***** REMOVE SUCCESSFUL *****")
    obj.commit()
    y=input("Do you want more remove patient(y/n):")
else:
    admin()

# for check how many doctor apply for job and for approval

def Approvalrequired():
    a="select count(*) from job where status='{}'".format('HOLD')
    mycursor.execute(a)
    b=mycursor.fetchall()

    print("Total number of approval required:",b[0][0])
    if b[0][0]<1:
        return
        print("end")
    else:
        c="select * from job where status='{}'".format('HOLD')

```

```

mycursor.execute(c)
c=mycursor.fetchall()
print("""15,"Details of Doctor who are apply for job",""15)
for i in c:
    print("apply ID:",i[0])
    print("apply date:",i[1])
    print("Dr. name:",i[2])
    print("Department:",i[3])
    print("work experience in this department:",i[4])
    print("Gender:",i[5])
    print("")
print("press 1 for approve the doctor")
print("press 2 for reject the doctor")
ch=int(input(""))
if ch==1:

    ID=int(input("enter the apply ID:"))
    b="select * from job where apply_id={}".format(ID)
    mycursor.execute(b)
    b=mycursor.fetchall()
    if len(b)<1:
        print("""15,"INVALID APPLY ID",""15)
        Approvalrequired()
    else:
        select="select apply_id from job where status='{}'".format("HOLD")
        mycursor.execute(select)
        select=mycursor.fetchall()

        if select[0][0]==ID:
            c="select * from job where apply_id={}".format(ID)
            mycursor.execute(c)
            c=mycursor.fetchall()

            d="select salary from salary where department='{}'".format(c[0][3])
            mycursor.execute(d)
            d=mycursor.fetchall()

            e="insert into doctor values({},'{}','{}','{}',{},{},{})".format("null",c[0][2],c[0][3],c[0][5],
                c[0][4],c[0][6],"curdate()",
                d[0][0])

            mycursor.execute(e)
            obj.commit()
            f="update job set status='{}' where apply_id={}".format('APPROVED',ID)
            mycursor.execute(f)

```

```
obj.commit()
print("""15,"APPROVED SUCCESSFUL",""15)
```

```
else:
```

```
select1="select status from job where apply_id={}".format(ID)
mycursor.execute(select1)
select1=mycursor.fetchall()
```

```
print("#"13,"Doctor is already",select1[0][0],"#"13)
```

```
elif ch==2:
```

```
ID=int(input("enter the apply ID which you want reject:"))
b="select apply_id from job where apply_id={}".format(ID)
mycursor.execute(b)
b=mycursor.fetchall()
```

```
if len(b)<1:
```

```
print("""15,"INVALID APPLY ID",""15)
```

```
else:
```

```
select="select apply_id from job where status='{}'".format("HOLD")
mycursor.execute(select)
select=mycursor.fetchall()
if select[0][0]==ID:
```

```
reject="update job set status='{}' where apply_id={}".format('REJECTED',ID)
mycursor.execute(reject)
obj.commit()
print("""15,"REJECT SUCCESSFUL",""15)
```

```
else:
```

```
select1="select status from job where apply_id={}".format(ID)
mycursor.execute(select1)
select1=mycursor.fetchall()
```

```
print("#"13,"Doctor is already",select1[0][0],"#"13)
```

```
else:
```

```
print("#"12,"!"4,"INVALID CHOICE",!"4,"#"12)
Approvalrequired()
```

```
# for front page design
```

```
def front():
```

```
    print(" ***10,***70")  
    print(" ")  
    print("      WELCOME TO ABC HOSPITAL".center(80))  
    print(" ")  
    print(" ***10,***70")
```

```
    print(" ")  
    print("      -----")  
    print("      |      press 1 for ADMIN:      |")  
    print("      -----")  
    print("      |      press 2 for PATIENT:      |")  
    print("      -----")  
    print("      |      press 3 For DOCTER:      |")  
    print("      -----")  
    print("      |      press 4 For EXIT:      |")  
    print("      -----")
```

```
    ch=int(input())
```

```
    if ch==1:
```

```
        password=input("enter the password:")  
        password1="select * from password"  
        mycursor.execute(password1)  
        password2=mycursor.fetchall()  
        if password==password2[0][0]:  
            admin()  
        else:  
            print("\n*****INCORRECT PASSWORD!!!*****")  
            print("*****TRY AGAIN*****")  
            print("")  
            front()
```

```
    elif ch==2:
```

```
        patient()
```

```
    elif ch==3:
```

```
        doctor_create()
```

```
    elif ch==4:
```

```
        print("***16,\"THANK YOU\",***|16)
```

```
        while True:
```

```
            break
```

```
    else:
```

```
        print("INVALID CHOICE")
```

```
        front()
```



```

# for patient use
|
def patient():
    print("****15,"WELCOME TO OUR MOBILE APPLICATION",****15)
    print("press 1 for book appointment")
    print("press 2 FOR treatment price")
    print("press 3 For back again")
    ch=int(input(""))
    if ch==1:
        appointment()
    elif ch==2:
        treatment_price()
    elif ch==3:
        front()

    else:
        print("!!!!!!invalid choice!!!!!!\n")
        patient()

```

```

# for book appointment for patient
def appointment():
    print("#**15,"SELECT YOUR PROBLEM!!!",#"**15)
    print("1. For eye problem")
    print("2. For ear problem")
    print("3. For nose problem")
    print("4. For throat problem")
    print("5. For hormones problem")
    print("6. For mouth problem")
    print("7. For any surgiical")
    print("8. For bone problem")

    print("9. For sugar patient")
    print("10. For Skin problem")
    print("11. For child problem")
    print("12. For other problem")
    print("13. for back again")

    ch=input("enter the choice:")
    if ch=="1":
        print("\nThis are the doctor which are specialist in Eye")
        q="Eye"
        app(q)

```

```
elif ch=="2":
    q="ear"
    app(q)

elif ch=="3":
    q="nose"
    app(q)

elif ch=="4":
    q="throat"
    app(q)
elif ch=="5":
    q="hormones"
    app(q)
elif ch=="6":
    q="mouth"
    app(q)
elif ch=="7":
    q="surgjiical"
    app(q)
elif ch=="8":
    q="bone"
    app(q)
elif ch=="9":
    q="sugar"
    app(q)
elif ch=="10":
    q="Skin"
    app(q)
elif ch=="11":
    q="child"
    app(q)
elif ch=="12":
    q="other"
    app(q)
elif ch=="13":
    patient()

else:
    print("invalid choice\n")
    appointment()
```

```

def app(q):
    a="select department from symptoms_and_dept where symptoms like'%{}%'".format(q)
    mycursor.execute(a)
    b=mycursor.fetchall()
    b=b[0][0] # b is name of department
    #print("department ",b)
    c="select * from doctor where department='{}'".format(b)
    mycursor.execute(c)
    c=mycursor.fetchall() # c is list of doctor
    #print("doctor name ",c)
    d=len(c)
    print("There are ",d,"doctor")

    for i in c:
        print("")
        print("doctor id:",i[0])
        print("Doctor name:",i[1])
        print("department:",i[2])
        print("gender:",i[3])
        print("work experience:",i[4])
        print("")
    y="y"
    while y=="y":
        book=input("you want to book appointment(y/n):")
        if book=="y":

            ID=input("\nenter the doctor id:")
            if ID.isdigit():
                e="select * from doctor where doctorid={}".format(ID)
                mycursor.execute(e)
                e=mycursor.fetchall() # e is detail of particular doctor
                #print(e)
                if len(e)<1:
                    print("INVALID DOCTOR ID")
                    app(q)
                else:
                    select="select doctorid from doctor where doctorid like'%{}%'".format(ID)
                    mycursor.execute(select)
                    select=mycursor.fetchall() # select is doctor id
                    #print("DOCTOR ID :",select)

```

```

#print(select)
L=[]
for i in select:

    L.append(i[0])
#print(L)

for ID in L:
    p=0
    name=input("enter your name:")
    for item in name:
        if item.isdigit()==True:
            p=p+1
        else:
            pass

    if p==0:

        age=input("enter patient age:")
        if age.isdigit()!=True:
            print("\n!!!!!!!!!!!!!!!!!!!!invalid age!!!!!!!!!!!!!!!!!!!!")
            print("                please try again                ")
        else:
            print("if you are male then press 1")
            print("if you are female then press 2")
            choice=int(input())
            if choice==1:
                gender="male"
            else:
                gender="female"
            pass
            mobile_number=input("enter your mobile number:")
            if len(mobile_number):
                insert="insert into appointment values('{}',{},{},{},{},{})".format(
                    name,age,gender,mobile_number,ID,b)

            mycursor.execute(insert)
            obj.commit()
            print("\nappointment book SUCCESSFUL")
            print("")
            patient()

```

```

        else:
            print("invalid mobile number")

    else:
        print("\n!!!!!!!!!!!!!!!!!!!!invalid name!!!!!!!!!!!!!!!!!!!!")
        print("          please try again          ")
# else:
#     print("\nDoctor of this ID",ID,"is not related to",q,"problem\n")

else:
    print("INVALID DOCTOR ID")
    app(q)
elif book=="n":
    patient()
else:
    print("!"*12,"INVALID CHOICE",!"*12)
    y=input("Do you want to book more appointment(y/n):")

```

for treatment price

```

def treatment_price():
    a="select * from treatment_price"
    mycursor.execute(a)
    a=mycursor.fetchall()
    for i in a:
        print("          ","--"*28)
        print("          |",i[0],"price are:Rs",i[1],"per treatment|")
    print("          ","--"*28)
    print("")
    ch=input("Do you want to book appointment(y/n):")
    if ch=="y":
        print("asdfg")
        appointment()

else:
    print("")
    patient()

```

```
# for create account as a doctor
```

```
def login():
```

```
    print("""15,"ENTER THE FOLLOWING DETAILS FOR CREATE THE ACCOUNT",""15)
```

```
    p=0
```

```
    name=input("enter your name:")
```

```
    for item in name:
```

```
        if item.isdigit()==True:
```

```
            p=p+1
```

```
        else:
```

```
            pass
```

```
if p==0:
```

```
    mobile_number=input("enter your mobile number:")
```

```
    if len(mobile_number)==10:
```

```
        if mobile_number.isalpha():
```

```
            print("""15,"invalid mobile number",""15)
```

```
            login()
```

```
        else:
```

```
            if mobile_number.isdigit()!=True:
```

```
                print("""15,"invalid mobile number",""15)
```

```
                login()
```

```
            else:
```

```
                if mobile_number.startswith("0"):
```

```
                    print("""13,"mobile number can not start with 0",""13)
```

```
                else:
```

```
                    b="select * from login where mobile_number={}".format(mobile_number)
```

```
                    mycursor.execute(b)
```

```
                    b=mycursor.fetchall()
```

```
                    if len(b)<1:
```

```
                        new=input("enter password")
```

```
                        new1=input("re-enter your password")
```

```
                        if new==new1:
```

```
                            a="insert into login values ('{},{,}')".format(name,mobile_number,  
                                                                           new1)
```

```
                            mycursor.execute(a)
```

```
                            obj.commit()
```

```
                            print("""15,"ACCOUNT CREATED ",""15)
```

```
                            login1()
```

```
                        else:
```

```
                            print("password is not match")
```

```
                            login()
```

```

                else:
                    print("account already exists")

            else:
                print("invalid mobile number")
                login()

    else:
        print("\n!!!!!!!!!!!!!!!!!!!!invalid name!!!!!!!!!!!!!!!!!!!!")
        print("                please try again                ")
        login()

# for doctor login
def login1():
    mobile_number= input("enter mobile number:")
    #mobile_number=str(mobile_number)
    if len(mobile_number)==10:
        if mobile_number.isalpha():
            print("!"*15,"invalid mobile number",!"*15)
            print("")
            login1()
        else:
            if mobile_number.isdigit()!=True:
                print("!"*15,"invalid mobile number",!"*15)
                print("")
                login1()
            else:
                if mobile_number.startswith("0"):
                    print("!"*13,"mobile number can not start with 0",!"*13)
                    print("")
                    login1()
                else:
                    a="select * from login where mobile_number={}".format(mobile_number)
                    mycursor.execute(a)
                    a=mycursor.fetchall()

                    if len(a)<1:
                        print("!"*16,"ACCOUNT DOES NOT EXEST",!"*16)
                        print("")
                        print("#"*16,"CREATE ACCOUNT",#"*16)
                        login()
                    else:
                        password=input("enter password")
                        b="select * from login where password='{}'".format(password)

```

```

        mycursor.execute(b)
        b=mycursor.fetchall()
        if len(b)<1:
            print("""16,"INCORRECT PASSWORD",""16)
            print("")
            login1()
        else:
            doctor(mobile_number)
else:
    print("""14,"INVALID MOBILE NUMBER",""14)
    print("")
    login1()
# for login to doctor section
def doctor_create():
    print("press 1 for create account")
    print("press 2 for login")
    print("press 3 for back")
    choice=int(input(""))
    if choice==1:
        login()
    elif choice==2:
        login1()
    elif choice==3:
        front()
    else:
        print("""12,"INVALID CHOICE!!!",""12)
        print("")
        doctor_create()
# for doctor section
def doctor(mobile_number):

    print("""15,"WELCOME TO DOCTOR SECTION",""15)
    print("press 1 for apply job")
    print("press 2 for view appointment")
    print("press 3 for view salary department wise")
    print("press 4 for exit")
    ch=int(input(""))
    if ch==1:
        apply_job(mobile_number)
    elif ch==2:
        view_appointment(mobile_number)

```



```

elif ch==3:
    salary()
elif ch==4:
    doctor_create()

else:
    print("****12,INVALID CHOICE!!!",****12)
    print("")
    doctor(mobile_number)

```

for apply job as a doctor

```

def apply_job(mobile_number):
    select="select * from doctor where phone_number={}".format(mobile_number)
    mycursor.execute(select)
    select=mycursor.fetchall()
    if len(select)<1:
        name=input("enter your name")
        p=0
        for item in name:
            if item.isdigit()==True:
                p=p+1
            else:
                pass

        if p==0:
            print("****15,SELECT YOUR DEPARTMENT,****15)
            print("1.Medicine")
            print("2.Eye")
            print("3.Gynecology")
            print("4.Dental")
            print("5.surgiical")
            print("6.Orthopedic")
            print("7.ENT")
            print("8.Diabetic")
            print("9.Child")
            print("10.Skin")
            ch=int(input("enter your choice:"))
            if ch==1:
                department="Medicine"
            elif ch==2:
                department="Eye"

```

```

elif ch==3:
    department="Gynecology"
elif ch==4:
    department="Dental"
elif ch==5:
    department="surgical"
elif ch==6:
    department="Orthopedic"
elif ch==7:
    department="ENT"
elif ch==8:
    department="Diabetic"
elif ch==9:
    department="Child"
elif ch==10:
    department="Skin"
else:
    print("!"*15,"INVALID CHOICE","!"*15)
    apply_job(mobile_number)
    pass

work_experience=input("enter your work experience in this field (like year,month) ")
if work_experience.isalnum():
    print("if you are male then press 1")
    print("if you are female the press 2")
    choice=int(input())
    if choice==1:
        gender="male"
        pass
    elif choice==2:
        gender="female"
        pass
    else:
        print("!"*15,"INVALID CHOICE","!"*15)
        apply_job(mobile_number)

#phone_number="select * from login where mobile_number={}".format(mobile_number)
if len(mobile_number)==10:
    a="insert into job values({}, {}, {}, {}, {}, {}, {})".format('apply_id=apply_id+1000',
                                                                    "curdate()",name,
                                                                    department,work_experience,
                                                                    gender,mobile_number,
                                                                    'HOLD')

    mycursor.execute(a)

```

```

obj.commit()

apply_id="select apply_id from job where dname='{}' and department='{}'.format(name,
                                                                              department)

mycursor.execute(apply_id)
apply_id=mycursor.fetchall()

print("Thank you for apply in ABC hospital and your apply ID is:",apply_id[0][0])
front()
else:
    print("\n!!!!!!!!!!!!!!!!!!!!invalid phone number!!!!!!!!!!!!!!!!!!!!")
    print("          please try again          ")

else:
    print("****12,INVALID NAME!!!",****12)
    apply_job(mobile_number)

else:
    print("****14,You are already doctor in this hospital",****14)
    print("****16,You can not apply for job",****16)
    doctor(mobile_number)

# for check appointment

def view_appointment(mobile_number):
    print(mobile_number)

    a=""select * from doctor,appointment where doctor.doctorid=appointment.doctorid
    and phone_number={}"""".format(mobile_number)

    mycursor.execute(a)
    a=mycursor.fetchall()
    if len(a)<1:
        print("****15,NO APPOINTMENT",****15)
        doctor_create()

    else:
        ID=a[0][0]
        b=len(a)

        print("Total number of appointment are:",b)
        print("")

```

```
for i in a:
    print("patient name:",i[8])
    print("patient age:",i[9])
    print("patient gender:",i[10])
    print("patient mobile number:",i[11])
    print("")
doctor_create()
```

To check salary of doctor

```
def salary():
    a="select * from salary"
    mycursor.execute(a)
    result1=mycursor.fetchall()

    print("DEPARTMENT:",result1[0][0], ", " "SALARY:", "Rs",result1[0][1])
    print("DEPARTMENT:",result1[1][0], ", " "SALARY:", "Rs",result1[1][1])
    print("DEPARTMENT:",result1[2][0], ", " "SALARY:", "Rs",result1[2][1])
    print("DEPARTMENT:",result1[3][0], ", " "SALARY:", "Rs",result1[3][1])
    print("DEPARTMENT:",result1[4][0], ", " "SALARY:", "Rs",result1[4][1])
    print("DEPARTMENT:",result1[5][0], ", " "SALARY:", "Rs",result1[5][1])
    print("DEPARTMENT:",result1[6][0], ", " "SALARY:", "Rs",result1[6][1])
    print("DEPARTMENT:",result1[7][0], ", " "SALARY:", "Rs",result1[7][1])
    print("DEPARTMENT:",result1[8][0], ", " "SALARY:", "Rs",result1[8][1])
    print("DEPARTMENT:",result1[9][0], ", " "SALARY:", "Rs",result1[9][1])
```

```

# for introduction
def front_page():
    print("")
    print("_"*58)
    print("@"*15,"CLASS 12th CS PROJECT(083)","@"*15)
    print(".*25,"WELCOME",".*25)
    print(".*28,"TO",".*27)
    print(".*18,"HOSPITAL MANAGEMENT SYSTEM",".*13)
    print(".*21,"MADE BY: JATIN KUMAR",".*16)
    print(".*17,"SUBMITTED TO: Saroj MISHRA SIR",".*10)
    print(".*23,"SESSION: 2022-2023",".*16)
    print("_"*58)
    print("")

```

while True:

```

    front_page()
    print("")
    print(" "*10,"***70)
    print(" ")
    print("      WELCOME TO HOSPITAL MANAGEMENT SYSTEM".center(80))
    print(" ")
    print(" "*10,"***70)

```

```

    print(" ")

```

```

    print("          _____")
    print("          |      press 1 for ADMIN:      |")
    print("          |-----|")
    print("          |      press 2 for PATIENT:     |")
    print("          |-----|")
    print("          |      press 3 For DOCTOR:     |")
    print("          |-----|")
    print("          |      press 4 For EXIT:       |")
    print("          |-----|")

```

```

ch=input()

if ch=="1":
    password=input("enter the password:")
    password1="select * from password"
    mycursor.execute(password1)
    password2=mycursor.fetchall()
    if password==password2[0][0]:
        admin()
    else:
        print("\n*****INCORRECT PASSWORD!!!*****")
        print("*****TRY AGAIN*****")
        print("")
        front()

elif ch=="2":
    patient()

elif ch=="3":
    doctor_create()
elif ch=="4":
    print("**** 16,"THANK YOU",**** 16)
    break
else:
    print("!*10,"INVALID CHOICE",!*10)

```


DATABASE

```
mysql> show databases;
+-----+
| Database |
+-----+
| covid    |
| information_schema |
| library  |
| mysql    |
| performance_schema |
| sales    |
| school1  |
| student  |
| sys      |
+-----+
9 rows in set (0.00 sec)
```

Database name is:- COVID

```
mysql> use covid;
Database changed
mysql> show tables;
+-----+
| Tables_in_covid |
+-----+
| appointment      |
| doctor           |
| doctorrecord     |
| job              |
| login            |
| password         |
| patient          |
| patientrecord    |
| salary           |
| staff            |
| staffrecord      |
| symptoms_and_dept |
| treatment_price  |
+-----+
13 rows in set (0.00 sec)
```

```
mysql> select * from appointment;
```

patient_name	age	gender	mobile_number	doctorid	department
jatin	18	male	1235467805	13	Eye
aman	20	female	8756430976	5	Dental
akash	23	male	1234543234	11	ENT
suprit	23	male	1234567654	13	Eye
jati kumar rai	23	male	9098564534	2	Medicine
jatin kumar	23	male	7005956407	7	surgiical
jatun	1	male	9098785643	10	surgiical
kumar	25	male	9098987678	3	Eye
rohan	45	male	9098987656	3	Eye
akash	34	male	1234354323	7	surgiical
sukriti kakar	43	male	1234567890	5	Diabetic
aman	23	male	9098909876	11	ENT
sanket	4	male	1234565678	11	ENT
suprit	225	male	1234567654	18	ENT
kumar rai	34	male	7005648637	6	Dental
badshah	34	male	9098767896	9	Gynecology
igon	34	male	1234567895	23	Medicine
Akash kumar	19	male	8856974567	11	ENT
Aman kumar	25	male	9909875907	24	surgiical

```
19 rows in set (0.00 sec)
```

```
mysql> select * from doctor;
```

doctorid	doctorname	department	gender	work_experience	phone_number	dateofjoinig	salary
1	Dr. Susil chakraborty	Medicine	male	5	7005612629	2022-07-25	40000
2	Dr. Sanjeev kumar	Medicine	male	5	5674398259	2022-08-09	350000
3	Dr. Soumya Ghosh Kundu	Eye	female	6	6530967837	2021-03-15	45000
4	Dr. Chinmoy Bose	Gynecology	male	4	9873450763	2022-04-20	35000
5	Dr. Jayasree Barman	Dental	femlae	4	4563897639	2022-06-12	30000
6	Dr. Rajit Mallick	Dental	male	5	2568564729	2022-07-25	43000
7	Dr. Souvik Saha	surgiical	male	9	5283648972	2022-10-07	80000
8	Dr. Abhijit Banerjee	Orthopedic	male	6	2587964387	2022-02-20	50000
9	Dr. Mousumi Banerjee	Gynecology	female	7	7936486281	2022-07-25	55000
10	Dr. Arkaprovo Roy	surgiical	female	6	4685729426	2022-09-15	50000
11	Dr. Alokendu Bose	ENT	male	4	3254689756	2021-11-19	25000
12	Dr. Dipanjan Mukherjee	Diabetic	male	6	4968153467	2020-11-15	45000
13	Dr. Monalisa Pramanik	Eye	female	3	2549637864	2021-12-25	45000
14	Dr. G.S. Sharma	Child	male	8	9785630214	2021-07-18	60000
15	Dr. Manas kumar Pal	Skin	male	3	5496725894	2021-04-15	30000
18	Dr.rahul	ENT	male	5	2547986342	2022-11-11	25000
21	Dr.jatin	Dental	male	5	7005956407	2022-11-11	43000
22	Dr.asd	Eye	male	6	1234554321	2022-11-11	45000
24	Dr. Rajesh malhotra	surgiical	male	5	7005946395	2023-01-29	60000

```
19 rows in set (0.00 sec)
```

```
mysql> select * from doctorrecord;
```

doctorid	doctorname	department	gender	phone_number	dateofjoinig	date_of_relived
16	Dr.jatin kumar	Child	female	2364789731	2022-11-01	2022-11-01
17	jatin	ent	male	1223456789	2022-11-10	2022-11-11
19	Dr.rahul	ENT	male	2547986342	2022-11-11	2022-11-11
20	Dr.rahul	ENT	male	2547986342	2022-11-11	2022-11-11
23	jatin kumar rai	Medicine	male	1234565432	2023-01-23	2023-01-29

5 rows in set (0.00 sec)

```
mysql> select * from job;
```

apply_id	apply_job_date	dname	department	work_experience	gender	phone_number	status
1	2022-11-01	Dr.rahul	ENT	5	male	2547986342	APPROVED
2	2022-11-11	Dr.jatin	Dental	5	male	7005956407	APPROVED
3	2022-11-11	Dr.asd	Eye	6	male	1234554321	APPROVED
4	2022-11-11	Dr.qwer	Gynecology	6	female	5432112345	REJECTED
5	2023-01-23	jatin kumar rai	Medicine	12	male	1234565432	APPROVED

5 rows in set (0.00 sec)

```
mysql> select * from login;
```

name	mobile_number	password
jatin kumar	7005956407	jatin@2005
suprit	7005956408	asd123
aman	7005612629	sup@098
sanket	5674398259	1254
jk	2549637864	12345
qwdf	6530967837	1267
xc	4563897639	1209
qwe	1234554321	po
jatin kumar rai	5432112345	op
Rajesh malhotra	1234565432	1q2
	7005946395	malhotra

11 rows in set (0.00 sec)

```
mysql> select * from password;
```

```
+-----+  
| password |  
+-----+  
| cs |  
+-----+
```

```
1 row in set (0.00 sec)
```

```
mysql> select * from patient;
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| patientid | pname | page | pgender | phoneno | admitdate | patient_problem |  
+-----+-----+-----+-----+-----+-----+-----+  
| 104 | jatin k | 23 | male | 1234123456 | 2022-11-07 | throat problem |  
| 105 | rohan | 50 | female | 1223344556 | 2022-11-07 | nose problem |  
| 106 | jk | 25 | female | 9087654321 | 2022-11-07 | surgiical problem |  
| 107 | jatin | 12 | male | 1234567890 | 2022-11-09 | child problem |  
| 108 | ritick kumar | 23 | male | 987654321 | 2022-11-09 | Skin problem |  
| 109 | rahul | 34 | male | 980988765 | 2022-11-09 | mouth problem |  
| 110 | j k | 23 | male | 1234566789 | 2022-11-09 | nose problem |  
| 111 | kumar | 25 | male | 1234566543 | 2022-11-09 | mouth problem |  
| 112 | asd | 24 | male | 6597483258 | 2022-11-09 | hormones problem |  
| 114 | aman | 12 | male | 9436756857 | 2022-11-10 | eye problem |  
| 115 | jatin kumar | 12 | male | 9087678645 | 2023-01-20 | ear problem |  
| 116 | Abhishek | 18 | male | 8837248607 | 2023-01-29 | throat problem |  
+-----+-----+-----+-----+-----+-----+-----+
```

```
12 rows in set (0.00 sec)
```

```
mysql> select * from patientrecord;
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| patientid | pname | page | pgender | phoneno | admitdate | dischargedate |  
+-----+-----+-----+-----+-----+-----+-----+  
| 124 | we | 3 | male | 1234565432 | 2022-10-17 | 2022-10-21 |  
| 122 | kumar | 23 | male | 1234567893 | 2022-10-17 | 2022-10-21 |  
| 101 | jatin | 16 | male | 7005956407 | 2022-10-04 | 2022-10-21 |  
| 102 | kumar | 17 | male | 123456778 | 2022-10-04 | 2022-10-21 |  
| 101 | jatin | 14 | male | 1234567890 | 2022-11-07 | 2022-11-09 |  
| 102 | jatin kumar | 13 | male | 1234567890 | 2022-11-07 | 2022-11-09 |  
| 103 | aksah | 23 | female | 9087654342 | 2022-11-07 | 2022-11-10 |  
| 113 | jkq | 13 | male | 1212121212 | 2022-11-09 | 2023-01-29 |  
+-----+-----+-----+-----+-----+-----+-----+
```

```
8 rows in set (0.00 sec)
```

```
mysql> select * from salary;
```

```
+-----+-----+  
| department | salary |  
+-----+-----+  
| Medicine | 40000 |  
| Eye | 45000 |  
| Gynecology | 35000 |  
| Dental | 43000 |  
| surgiical | 80000 |  
| Orthopedic | 50000 |  
| ENT | 25000 |  
| Diabetic | 45000 |  
| Child | 60000 |  
| Skin | 30000 |  
+-----+-----+
```

```
10 rows in set (0.07 sec)
```

```
mysql> select * from staff;
```

staffid	staffname	staffage	staffgender	staffphoneno	dateofjoining	salary
107	j k	56	female	1234567976	2022-10-21	5000
108	jatin	23	female	1234567890	2022-10-21	2000
109	aman kumar	45	female	1234678903	2022-10-21	2000
110	KUMAR	57	female	1230981274	2022-10-21	2043
111	ritick	25	female	5432564357	2022-10-21	2000
114	Rohan	34	male	8809765645	2023-01-29	45000

```
6 rows in set (0.00 sec)
```

```
mysql> select * from staffrecord;
```

staffid	staffname	staffage	staffgender	staffphoneno	joiningdate	salary	total_working_day
105	jk	14	male	9876543210	2022-10-06	45333	2022-10-19
101	jk	123	male	1234512345	2022-10-06	23000	2022-10-21
102	jk	123	amle	1234567898	2022-10-06	12	2022-10-21
106	jatim	35	male	5432167890	2022-10-06	765432	2022-10-21
103	JKR	25	female	1234567898	2022-10-06	20000	2022-11-10
104	JATIN	13	female	987654321	2022-10-06	343	2022-11-10
113	jatin kumar	24	male	9087675643	2022-11-09	40000	2023-01-25
112	jatin umar	23	male	1234567890	2022-11-09	20000	2023-01-29

```
8 rows in set (0.00 sec)
```

```
mysql> select * from symptoms_and_dept;
```

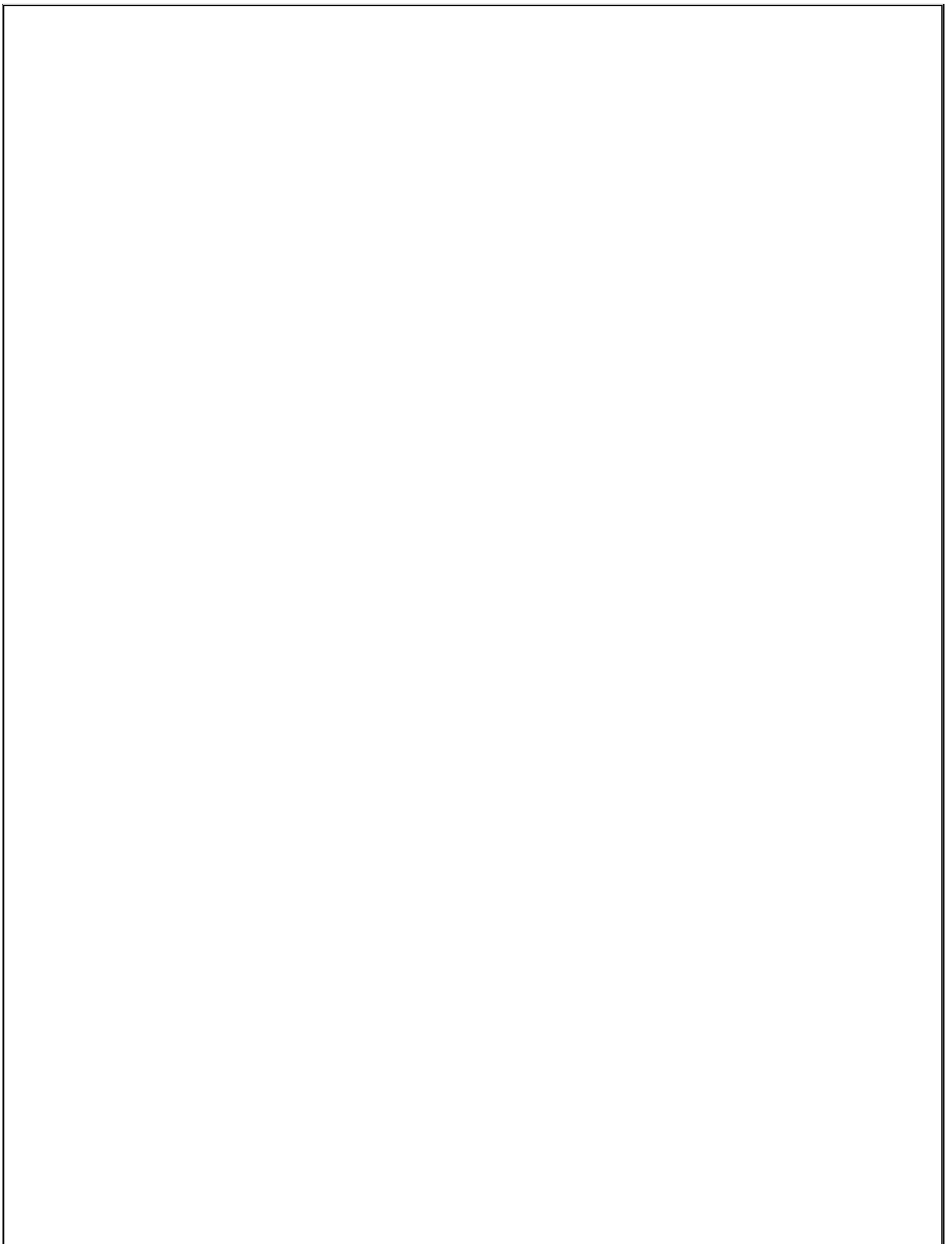
symptoms	department
For eye problem	Eye
For ear problem	ENT
For nose problem	ENT
For throat problem	ENT
For hormones problem	Gynecology
For mouth problem	Dental
For any surgical	surgical
For bone problem	Orthopedic
For sugar patient	Diabetic
For Skin problem	Skin
For child problem	Child
other	Medicine

```
12 rows in set (0.05 sec)
```

```
mysql> select * from treatment_price;
```

symptoms	price
For eye problem	4500
For ear problem	3500
For nose problem	2000
For throat problem	2500
For hormones problem	3000
For mouth problem	1500
For any surgical	6000
For bone problem	5000
For sugar patient	5500
For Skin problem	4500
For child problem	5000
other	3500

```
12 rows in set (0.05 sec)
```

OUTPUT

= RESTART: C:\Users\lenovo\AppData\Local\Programs\Python\Python310\class 12 project.py

```
@@@@@@@@@@@@@@@@ CLASS 12th CS PROJECT(083) @@@@@@@@@@@@@@@@@@
..... WELCOME .....
..... TO .....
..... HOSPITAL MANAGEMENT SYSTEM .....
..... MADE BY: JATIN KUMAR .....
..... SUBMITTED TO: Saroj MISHRA SIR .....
..... SESSION: 2022-2023 .....
```

WELCOME TO HOSPITAL MANAGEMENT SYSTEM

```
|          press 1 for ADMIN:          |
|-----|
|          press 2 for PATIENT:         |
|-----|
|          press 3 For DOCTOR:         |
|-----|
|          press 4 For EXIT:           |
|-----|
```

1
enter the password:kumar

***** WELCOME TO ADMIN SECTION *****

```
-----  
|           press 1 for ADD PATIENTS:           |  
-----  
|           press 2 for ADD STAFF:               |  
-----  
|   press 3 for DISPLAY PATIENTS RECORD:        |  
-----  
|           press 4 for DISPLAY STAFF RECORD:    |  
-----  
|           press 5 for CHANGE PASSWORD:         |  
-----  
|           press 6 for REMOVE PATIENTS:         |  
-----  
|           press 7 for REMOVE STAFF:            |  
-----  
|           press 8 for UPDATE PATIENT:          |  
-----  
|           press 9 for UPDATE STAFF             |  
-----  
|           press 10 for ADD DOCTOR              |  
-----  
|           press 11 for REMOVE DOCTOR          |  
-----  
|           press 12 for Approval required       |  
-----  
|           press 13 for LOGOUT:                 |  
-----
```

```
1
***** ENTER PATIENT DETAILS *****
enter patient name:Abhishek
enter patient age:18
***** select your gender *****
if patient is male then press 1
if patient is female then press 2
1
enter the patient 10 digit phone number:8837248607
***** enter patient problem *****
1. eye problem
2. ear problem
3. nose problem
4. throat problem
5. hormones problem
6. mouth problem
7. any surgiical
8. bone problem
9. sugar patient
10. Skin problem
11. child problem
12. other problem
enter the choice:4

*****patient add SUCCESSFUL and patient id is 116 *****
Do you want to add more patient(y/n):n
```

```
2
***** ENTER STAFF DETAILS *****
enter the staff name:Rohan
enter the age of staff:34
***** select gender *****
if staff is male then press 1
if staff is female the press 2
1
enter the staff phone number:8809765645
enter the salary40000

*****STAFF add SUCCESSFUL and STAFF ID is 114 *****
Do you want to add more staff(y/n):n
```

3

enter patient ID:105

***** PATIENT DETAILS ARE GIVEN BELOW: *****

patient id is: 105

patient name is: rohan

patient age is: 50

patient gender is: female

patient problem: nose problem

patient phone number is: 1223344556

patient admit date: 2022-11-07

Do you want more patient record(y/n):n

4

enter staff ID:114

***** STAFF DETAILS ARE GIVEN BELOW: *****

staff id is: 114

staff name is: Rohan

staff age is: 34

staff gender is: male

staff phone number is: 8809765645

staff date of joining: 2023-01-29

staff salary: Rs 40000

Do you want more staff record(y/n):n

5

enter the old password:kumar

enter the new password:cs

re-enter the new password:cs

***** PASSWORD CHANGE SUCCESSFUL *****

6
enter patient id 113
Do you confirm remove this 113 if yes press(y) else press any key except(y):
Y

*****DISCHARGE SUCCESSFUL*****
Do you want more remove patient(y/n):n

7
enter staff id 112
Do you confirm remove this 112 if yes press(y) else press any key except(y):
Y

*****REMOVE SUCCESSFUL*****
Do you want more remove patient(y/n):n

8
enter patient ID :114
what do you want to update??
press 1 for update patient name
press 2 for update patient age
press 3 for update patient gender
press 4 for update patient phone number

4
enter the patient 10 digit phone number:9436756857
***** PATIENT PHONE NUMBER UPDATE SUCCESSFUL *****
Do you want to update the gender of more patient??(y/n):n

9
enter staff id:114
what do you want to update??
press 1 for update staff name
press 2 for update staff age
press 3 for update staff gender
press 4 for update staff phone number
press 5 for update staff salary

5
enter the salary45000
***** SALARY UPDATE SUCCESSFUL *****
Do you want to update the details of more staff??(y/n):n

```
10
***** ENTER DOCTOR DETAILS *****
enter doctor name:Dr. Rajesh malhotra
enter the department:surgiical
if doctor is male then press 1
if doctor is female then press 2
1
enter the workexperience(in year):5
enter the patient 10 digit phone number:7005946395
enter salary:60000
***** DOCTOR ADD SUCCESSFUL AND DOCTOR ID 24 *****
```

```
11
enter doctor id 23
Do you confirm remove this 23 if yes press(y) else press any key except(y):
Y
```

```
*****REMOVE SUCCESSFUL*****
Do you want more remove patient(y/n):n
*****
```

WELCOME TO ABC HOSPITAL

```
-----
|           press 1 for ADMIN:           |
-----
|           press 2 for PATIENT:         |
-----
|           press 3 For DOCTER:         |
-----
|           press 4 For EXIT:            |
-----
```

```
2
***** WELCOME TO OUR MOBILE APPLICATION *****
press 1 for book appointment
press 2 FOR treatment price
press 3 For back again
```

```
1
##### SELECT YOUR PROBLEM!!! #####
1. For eye problem
2. For ear problem
3. For nose problem
4. For throat problem
5. For hormones problem
6. For mouth problem
7. For any surgiical
8. For bone problem
9. For sugar patient
10. For Skin problem
11. For child problem
12. For other problem
13. for back again
```

enter the choice:4
There are 2 doctor

doctor id: 11
Doctor name: Dr. Alokendu Bose
department: ENT
gender: male
work experience: 4

doctor id: 18
Doctor name: Dr.rahul
department: ENT
gender: male
work experience: 5

you want to book appointment(y/n):y

enter the doctor id:11
enter your name: Akash kumar
enter patient age:19
if you are male then press 1
if you are female then press 2
1
enter your mobile number:8856974567

appointment book SUCCESSFUL

WELCOME TO ABC HOSPITAL

```
-----  
|           press 1 for ADMIN:           |  
-----  
|           press 2 for PATIENT:         |  
-----  
|           press 3 For DOCTER:          |  
-----  
|           press 4 For EXIT:            |  
-----
```

3
press 1 for create account
press 2 for login
press 3 for back

1

***** ENTER THE FOLLOWING DETAILS FOR CREATE THE ACCOUNT *****

enter your name:Rajesh malhotra
enter your mobile number:7005946395
enter passwordmalhotra

re-enter your passwordmalhotra

***** ACCOUNT CREATED *****

enter mobile number:7005946395

enter passwordmalhotra

***** WELCOME TO DOCTOR SECTION *****

press 1 for apply job
press 2 for view appointment
press 3 for view salary department wise
press 4 for exit

2

7005946395

Total number of appointment are: 1

patient name: Aman kumar
patient age: 25
patient gender: male
patient mobile number: 9909875907

press 1 for create account
press 2 for login
press 3 for back

3

WELCOME TO ABC HOSPITAL

```
-----  
|           press 1 for ADMIN:           |  
-----  
|           press 2 for PATIENT:         |  
-----  
|           press 3 For DOCTER:         |  
-----  
|           press 4 For EXIT:           |  
-----
```

4

***** THANK YOU *****

