



तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

**PM SHRI
KENDRIYA VIDYALAYA
BERHAMPUR**

Computer Science Project

Timetable arrangement system

SESSION :- 2023-2024

UNDER THE GUIDANCE OF: Mr. Saroj Kanta Misra (PGT-CS)

SUBMITTED BY :- Saswatee Priyadarshini Mishra

CLASS :- XII - A

ROLL NO. :-

CERTIFICATE

This is to certify that **SASWATEE PRIYADARSHINI MISHRA** of class **XII-A** of **KENDRIYA VIDYALAYA BERHAMPUR** has done her project on **TIMETABLE ARRANGEMENT** under my supervision. She 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

ACKNOWLEDGEMENT

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. SHIVAPRIYA DASH** 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

1. Python (latest version)
2. MYSQL
3. Python Connector

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INTRODUCTION

The Timetable Arrangement System is a comprehensive project designed to efficiently organize and manage schedules within an organization. Split into two primary blocks—'teacher' and 'student'—this system offers essential functionalities for seamless organization. In the 'teacher' block, users can effortlessly add or delete classes, manage teachers, and generate timetables. Meanwhile, the 'student' block provides students with features to view their schedules, access subject-specific timetables, and differentiate between practical and theoretical classes.

This system operates through a database structure consisting of five tables, storing detailed information about students and teachers across three classes. The 'student details' and 'teacher details' tables meticulously organize data, while the remaining three tables systematically present individual class timetables.

While the project lays a robust foundation, there's room for enhancement. By refining existing functionalities and considering potential feature additions, the system aims to evolve into a more user-friendly timetable management

solution. The focus is on refining usability and potentially introducing new features based on user feedback to ensure clarity and simplicity for both teachers and students. It can be further developed by expanding utility by introducing collaborative tools for teachers and students. This ongoing project journey emphasizes continual improvement. Actively listening to user needs and implementing changes accordingly are key aspects aimed at making this system the preferred resource for managing teacher schedules and simplifying student studies.

The Timetable Arrangement System stands as a testament to effective scheduling and organization within an educational setting. By focusing on user feedback and evolving functionalities, the project aims to streamline and enhance the academic experience for both teachers and students, paving the way for a more efficient and user-centric approach to timetable management.

CODE

```
import random
import mysql.connector as msc
def Teacher():
    print("----Teacher Menu----")
    print("1.Add Teacher")
    print("2.Delete Teacher")
    print("3.Add class")
    print("4.Delete class")
    print("5.Generate timetable")
    print("Enter any number to go back")
    print("-----")
    b=int(input("Enter what you want to do:- "))
    def AddTeacher():
        try:
            id=int(input("Enter teacher id:- "))
            n=input("Enter teacher name:- ")
            s=input("Enter subject:- ")
            p=input("Enter post:- ")
            sal=int(input("Enter salary:- "))
            cl1=int(input("Enter class teaching 1:- "))
            cl2=int(input("Enter class teaching 2:- "))
            d=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
            c=d.cursor()
            c.execute("insert into teacher_details values ({},'{}','{}','{}',{},{})".format(id,n,s,p,sal,cl1,cl2))
            d.commit()
        except ValueError:
            print("Enter appropriate values")
        except:
            print("An unexpected error occured")
    def DelTeacher():
        try:
            idd=int(input("Enter teacher id:-"))
            d=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
            c=d.cursor()
            c.execute("delete from teacher_details where Teacher_ID={}".format(idd))
            d.commit()
        except ValueError:
            print("Enter appropriate values")
        except:
            print("An unexpected error occured")
    def AddClass():
        try:
            cl=int(input("Enter class:- "))
            sec=input("Enter section:- ")
            clt=input("Enter classtype:- ")
            sub1=input("Enter main subject 1:- ")
```



```

sub2=input("Enter main subject 2:- ")
sub3=input("Enter main subject 3:- ")
sub4=input("Enter main subject 4:- ")
sub5=input("Enter main subject 5:- ")
sub6=input("Enter additional subject 1:- ")
sub7=input("Enter additional subject 2:- ")
sub8=input("Enter additional subject 3:- ")
per=int(input("Enter no. of periods:- "))
d=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
c=d.cursor()
c.execute("insert into student_details values (0,'0',0,'0',0,'0',0,'0',0,'0').format(cl,sec,clt,per,sub1,sub2,sub3,sub4,sub5,sub6,sub7,sub8))
d.commit()
except ValueError:
    print("Enter appropriate values")
except:
    print("An unexpected error ocured")
def DelClass():
    try:
        cld=int(input("Enter class:- "))
        secd=input("Enter section:- ")
        d=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
        c=d.cursor()
        c.execute("delete from student_details where Class={} and Section='{}'".format(cld,secd))
        d.commit()
    except ValueError:
        print("Enter appropriate values")
    except:
        print("An unexpected error ocured")
def GenTT():
    d=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
    c=d.cursor()
    cle=int(input("Enter class:- "))
    sece=input("Enter sec:- ")
    c.execute("Select Main_Sub1 from Student_details where Class={} And Section='{}'".format(cle,sece))
    if cle==12 and sece in ("aA"):

        a=c.fetchall()
        Pe1=a[0][0]
        c.execute("Update 12A set P1='{}'".format(Pe1))

        l=["Phy","Math","Chem","Eng"]
        x1=random.randint(0,3)
        c.execute("Update 12A set P2='{}' where day='monday'".format(l[x1]))
        x2=random.randint(0,3)
        c.execute("Update 12A set P3='{}' where day='monday'".format(l[x2]))
        x3=random.randint(0,3)
        c.execute("Update 12A set P4='{}' where day='monday'".format(l[x3]))
        x4=random.randint(0,3)
        c.execute("Update 12A set P5='{}' where day='monday'".format(l[x4]))

```

```
x5=random.randint(0,3)
c.execute("Update 12A set P6='{}' where day='monday'".format(l[x5]))
x6=random.randint(0,3)
c.execute("Update 12A set P7='{}' where day='monday'".format(l[x6]))
x7=random.randint(0,3)
c.execute("Update 12A set P8='{}' where day='monday'".format(l[x7]))
```

```
l1=["Phy","Math","Chem","Eng","Phy/Chem PR"]
x8=random.randint(0,4)
c.execute("Update 12A set P2='{}' where day='tuesday'".format(l1[x8]))
x9=random.randint(0,4)
c.execute("Update 12A set P3='{}' where day='tuesday'".format(l1[x9]))
x10=random.randint(0,4)
c.execute("Update 12A set P4='{}' where day='tuesday'".format(l1[x10]))
x11=random.randint(0,4)
c.execute("Update 12A set P5='{}' where day='tuesday'".format(l1[x11]))
x12=random.randint(0,4)
c.execute("Update 12A set P6='{}' where day='tuesday'".format(l1[x12]))
x13=random.randint(0,4)
c.execute("Update 12A set P7='{}' where day='tuesday'".format(l1[x13]))
x14=random.randint(0,4)
c.execute("Update 12A set P8='{}' where day='tuesday'".format(l1[x14]))
```

```
l2=["Phy","Math","Chem","Eng","Bio/CS","PHE/PAI","Lib"]
x15=random.randint(0,6)
c.execute("Update 12A set P2='{}' where day='wednesday'".format(l2[x15]))
x16=random.randint(0,6)
c.execute("Update 12A set P3='{}' where day='wednesday'".format(l2[x16]))
x17=random.randint(0,6)
c.execute("Update 12A set P4='{}' where day='wednesday'".format(l2[x17]))
x18=random.randint(0,6)
c.execute("Update 12A set P5='{}' where day='wednesday'".format(l2[x18]))
x19=random.randint(0,6)
c.execute("Update 12A set P6='{}' where day='wednesday'".format(l2[x19]))
x20=random.randint(0,6)
c.execute("Update 12A set P7='{}' where day='wednesday'".format("CCA"))
x21=random.randint(0,6)
c.execute("Update 12A set P8='{}' where day='wednesday'".format("CCA"))
```

```
l3=["Phy","Math","Chem","Eng","Bio/CS","Bio/CS PR","Game"]
x22=random.randint(0,6)
c.execute("Update 12A set P2='{}' where day='thursday'".format(l3[x22]))
x23=random.randint(0,6)
c.execute("Update 12A set P3='{}' where day='thursday'".format(l3[x23]))
x24=random.randint(0,6)
c.execute("Update 12A set P4='{}' where day='thursday'".format(l3[x24]))
x25=random.randint(0,6)
```

```
c.execute("Update 12A set P5='{}' where day='thursday'.format(I3[x25]))
x26=random.randint(0,6)
c.execute("Update 12A set P6='{}' where day='thursday'.format(I3[x26]))
x27=random.randint(0,6)
c.execute("Update 12A set P7='{}' where day='thursday'.format(I3[x27]))
x28=random.randint(0,6)
c.execute("Update 12A set P8='{}' where day='thursday'.format(I3[x28]))
```

```
I4=["Phy","Math","Chem","Eng","Bio/CS","G & C"]
x29=random.randint(0,5)
c.execute("Update 12A set P2='{}' where day='friday'.format(I4[x29]))
x30=random.randint(0,5)
c.execute("Update 12A set P3='{}' where day='friday'.format(I4[x30]))
x31=random.randint(0,5)
c.execute("Update 12A set P4='{}' where day='friday'.format(I4[x31]))
x32=random.randint(0,5)
c.execute("Update 12A set P5='{}' where day='friday'.format(I4[x32]))
x33=random.randint(0,5)
c.execute("Update 12A set P6='{}' where day='friday'.format(I4[x33]))
x34=random.randint(0,5)
c.execute("Update 12A set P7='{}' where day='friday'.format(I4[x34]))
x35=random.randint(0,5)
c.execute("Update 12A set P8='{}' where day='friday'.format(I4[x35]))
```

```
I5=["Phy","Math","Chem","Eng","Bio/CS"]
x36=random.randint(0,4)
c.execute("Update 12A set P2='{}' where day='saturday'.format(I5[x36]))
x37=random.randint(0,4)
c.execute("Update 12A set P3='{}' where day='saturday'.format(I5[x37]))
x38=random.randint(0,4)
c.execute("Update 12A set P4='{}' where day='saturday'.format(I5[x38]))
x39=random.randint(0,4)
c.execute("Update 12A set P5='{}' where day='saturday'.format(I5[x39]))
x40=random.randint(0,4)
c.execute("Update 12A set P6='{}' where day='saturday'.format(I5[x40]))
x41=random.randint(0,4)
c.execute("Update 12A set P7='{}' where day='saturday'.format(I5[x41]))
x42=random.randint(0,4)
c.execute("Update 12A set P8='{}' where day='saturday'.format(I5[x42]))
d.commit()
```

```
print("Generated")
print("-----")
```

```
elif cle==12 and sece in ("Bb"):
```

```
d1=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
c1=d1.cursor()
m=["Phy","Math/Hindi","Chem","Eng","Phy/Chem PR"]
c1.execute("Update 12B set P1='{}' ".format("Bio"))
```

```
y1=random.randint(0,4)
c1.execute("Update 12B set P2={}' where day='monday'".format(m[y1]))
y2=random.randint(0,4)
c1.execute("Update 12B set P3={}' where day='monday'".format(m[y2]))
y3=random.randint(0,4)
c1.execute("Update 12B set P4={}' where day='monday'".format(m[y3]))
y4=random.randint(0,4)
c1.execute("Update 12B set P5={}' where day='monday'".format(m[y4]))
y5=random.randint(0,4)
c1.execute("Update 12B set P6={}' where day='monday'".format(m[y5]))
y6=random.randint(0,4)
c1.execute("Update 12B set P7={}' where day='monday'".format(m[y6]))
y7=random.randint(0,4)
c1.execute("Update 12B set P8={}' where day='monday'".format(m[y7]))
```

```
m1=["Phy","Math/Hindi","Chem","Eng"]
y8=random.randint(0,3)
c1.execute("Update 12B set P2={}' where day='tuesday'".format(m1[y8]))
y9=random.randint(0,3)
c1.execute("Update 12B set P3={}' where day='tuesday'".format(m1[y9]))
y10=random.randint(0,3)
c1.execute("Update 12B set P4={}' where day='tuesday'".format(m1[y10]))
y11=random.randint(0,3)
c1.execute("Update 12B set P5={}' where day='tuesday'".format(m1[y11]))
y12=random.randint(0,3)
c1.execute("Update 12B set P6={}' where day='tuesday'".format(m1[y12]))
y13=random.randint(0,3)
c1.execute("Update 12B set P7={}' where day='tuesday'".format(m1[y13]))
y14=random.randint(0,3)
c1.execute("Update 12B set P8={}' where day='tuesday'".format(m1[y14]))
```

```
m2=["Phy","Math/Hindi","Chem","Eng","Bio","PHE/PAI","Lib"]
y15=random.randint(0,6)
c1.execute("Update 12B set P2={}' where day='wednesday'".format(m2[y15]))
y16=random.randint(0,6)
c1.execute("Update 12B set P3={}' where day='wednesday'".format(m2[y16]))
y17=random.randint(0,6)
c1.execute("Update 12B set P4={}' where day='wednesday'".format(m2[y17]))
y18=random.randint(0,6)
c1.execute("Update 12B set P5={}' where day='wednesday'".format(m2[y18]))
y19=random.randint(0,6)
c1.execute("Update 12B set P6={}' where day='wednesday'".format(m2[y19]))
y20=random.randint(0,6)
c1.execute("Update 12B set P7={}' where day='wednesday'".format(m2[y20]))
y21=random.randint(0,6)
c1.execute("Update 12B set P8={}' where day='wednesday'".format(m2[y21]))
```

```
m3=["Phy","Math/Hindi","Chem","Eng","Bio PR","Bio PR","Game"]
y22=random.randint(0,6)
```

```
c1.execute("Update 12B set P2={}' where day='thursday'.format(m3[y22]))
y23=random.randint(0,6)
c1.execute("Update 12B set P3={}' where day='thursday'.format(m3[y23]))
y24=random.randint(0,6)
c1.execute("Update 12B set P4={}' where day='thursday'.format(m3[y24]))
y25=random.randint(0,6)
c1.execute("Update 12B set P5={}' where day='thursday'.format(m3[y25]))
y26=random.randint(0,6)
c1.execute("Update 12B set P6={}' where day='thursday'.format(m3[y26]))
y27=random.randint(0,6)
c1.execute("Update 12B set P7={}' where day='thursday'.format(m3[y27]))
y28=random.randint(0,6)
c1.execute("Update 12B set P8={}' where day='thursday'.format(m3[y28]))
```

```
m4=["Phy","Math/Hindi","Chem","Eng","Bio","G & C"]
y29=random.randint(0,5)
c1.execute("Update 12B set P2={}' where day='friday'.format(m4[y29]))
y30=random.randint(0,5)
c1.execute("Update 12B set P3={}' where day='friday'.format(m4[y30]))
y31=random.randint(0,5)
c1.execute("Update 12B set P4={}' where day='friday'.format(m4[y31]))
y32=random.randint(0,5)
c1.execute("Update 12B set P5={}' where day='friday'.format(m4[y32]))
y33=random.randint(0,5)
c1.execute("Update 12B set P6={}' where day='friday'.format(m4[y33]))
y34=random.randint(0,5)
c1.execute("Update 12B set P7={}' where day='friday'.format(m4[y34]))
y35=random.randint(0,5)
c1.execute("Update 12B set P8={}' where day='friday'.format(m4[y35]))
```

```
m5=["Phy","Math/Hindi","Chem","Eng","Bio"]
y36=random.randint(0,4)
c1.execute("Update 12B set P2={}' where day='saturday'.format(m5[y36]))
y37=random.randint(0,4)
c1.execute("Update 12B set P3={}' where day='saturday'.format(m5[y37]))
y38=random.randint(0,4)
c1.execute("Update 12B set P4={}' where day='saturday'.format(m5[y38]))
y39=random.randint(0,4)
c1.execute("Update 12B set P5={}' where day='saturday'.format(m5[y39]))
y40=random.randint(0,4)
c1.execute("Update 12B set P6={}' where day='saturday'.format(m5[y40]))
y41=random.randint(0,4)
c1.execute("Update 12B set P7={}' where day='saturday'.format(m5[y41]))
y42=random.randint(0,4)
c1.execute("Update 12B set P8={}' where day='saturday'.format(m5[y42]))
d1.commit()
```

```
print("Generated")
print("-----")
```

```

elif cle==12 and sece in ("cC"):
    d2=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
    c2=d2.cursor()
    c2.execute("Update 12C set P1='{}' ".format("Eco"))

    n=["Hist","Geo","Eng","Math/Hindi","PHE/PAI","Lib","Eco"]
    z1=random.randint(0,6)
    c2.execute("Update 12C set P2='{}' where day='tuesday' ".format(n[z1]))
    z2=random.randint(0,6)
    c2.execute("Update 12C set P3='{}' where day='tuesday' ".format(n[z2]))
    z3=random.randint(0,6)
    c2.execute("Update 12C set P4='{}' where day='tuesday' ".format(n[z3]))
    z4=random.randint(0,6)
    c2.execute("Update 12C set P5='{}' where day='tuesday' ".format(n[z4]))
    z5=random.randint(0,6)
    c2.execute("Update 12C set P6='{}' where day='tuesday' ".format(n[z5]))
    z6=random.randint(0,6)
    c2.execute("Update 12C set P7='{}' where day='tuesday' ".format(n[z6]))
    z7=random.randint(0,6)
    c2.execute("Update 12C set P8='{}' where day='tuesday' ".format(n[z7]))

    n1=["Hist","Geo","Eco","Eng","Math/Hindi"]
    z8=random.randint(0,4)
    c2.execute("Update 12C set P2='{}' where day='wednesday' ".format(n1[z8]))
    z9=random.randint(0,4)
    c2.execute("Update 12C set P3='{}' where day='wednesday' ".format(n1[z9]))
    z10=random.randint(0,4)
    c2.execute("Update 12C set P4='{}' where day='wednesday' ".format(n1[z10]))
    z11=random.randint(0,4)
    c2.execute("Update 12C set P5='{}' where day='wednesday' ".format(n1[z11]))
    z12=random.randint(0,4)
    c2.execute("Update 12C set P6='{}' where day='wednesday' ".format(n1[z12]))
    z13=random.randint(0,4)
    c2.execute("Update 12C set P7='{}' where day='wednesday' ".format("CCA"))
    z14=random.randint(0,4)
    c2.execute("Update 12C set P8='{}' where day='wednesday' ".format("CCA"))

    n2=["Hist","Geo","Eco","Eng","Math/Hindi","G & C"]
    z15=random.randint(0,5)
    c2.execute("Update 12C set P2='{}' where day='thursday' ".format(n2[z15]))
    z16=random.randint(0,5)
    c2.execute("Update 12C set P3='{}' where day='thursday' ".format(n2[z16]))
    z17=random.randint(0,5)
    c2.execute("Update 12C set P4='{}' where day='thursday' ".format(n2[z17]))
    z18=random.randint(0,5)
    c2.execute("Update 12C set P5='{}' where day='thursday' ".format(n2[z18]))
    z19=random.randint(0,5)
    c2.execute("Update 12C set P6='{}' where day='thursday' ".format(n2[z19]))
    z20=random.randint(0,5)

```

```
c2.execute("Update 12C set P7='{}' where day='thursday'.format(n2[z20]))
z21=random.randint(0,5)
c2.execute("Update 12C set P8='{}' where day='thursday'.format(n2[z21]))
```

```
n3=["Hist","Geo","Eng","Math/Hindi","Eco PR","Eco PR"]
z22=random.randint(0,5)
c2.execute("Update 12C set P2='{}' where day='friday'.format(n3[z22]))
z23=random.randint(0,5)
c2.execute("Update 12C set P3='{}' where day='friday'.format(n3[z23]))
z24=random.randint(0,5)
c2.execute("Update 12C set P4='{}' where day='friday'.format(n3[z24]))
z25=random.randint(0,5)
c2.execute("Update 12C set P5='{}' where day='friday'.format(n3[z25]))
z26=random.randint(0,5)
c2.execute("Update 12C set P6='{}' where day='friday'.format(n3[z26]))
z27=random.randint(0,5)
c2.execute("Update 12C set P7='{}' where day='friday'.format(n3[z27]))
z28=random.randint(0,5)
c2.execute("Update 12C set P8='{}' where day='friday'.format(n3[z28]))
```

```
n4=["Hist","Geo","Eco","Eng","Math/Hindi"]
z29=random.randint(0,4)
c2.execute("Update 12C set P2='{}' where day='saturday'.format(n4[z29]))
z30=random.randint(0,4)
c2.execute("Update 12C set P3='{}' where day='saturday'.format(n4[z30]))
z31=random.randint(0,4)
c2.execute("Update 12C set P4='{}' where day='saturday'.format(n4[z31]))
z32=random.randint(0,4)
c2.execute("Update 12C set P5='{}' where day='saturday'.format(n4[z32]))
z33=random.randint(0,4)
c2.execute("Update 12C set P6='{}' where day='saturday'.format(n4[z33]))
z34=random.randint(0,4)
c2.execute("Update 12C set P7='{}' where day='saturday'.format(n4[z34]))
z35=random.randint(0,4)
c2.execute("Update 12C set P8='{}' where day='saturday'.format(n4[z35]))
```

```
n5=["Hist","Geo","Eng","Math/Hindi","Game","Math/Hindi"]
z36=random.randint(0,5)
c2.execute("Update 12C set P2='{}' where day='monday'.format(n5[z36]))
z37=random.randint(0,5)
c2.execute("Update 12C set P3='{}' where day='monday'.format(n5[z37]))
z38=random.randint(0,5)
c2.execute("Update 12C set P4='{}' where day='monday'.format(n5[z38]))
z39=random.randint(0,5)
c2.execute("Update 12C set P5='{}' where day='monday'.format(n5[z39]))
z40=random.randint(0,5)
c2.execute("Update 12C set P6='{}' where day='monday'.format(n5[z40]))
z41=random.randint(0,5)
c2.execute("Update 12C set P7='{}' where day='monday'.format(n5[z41]))
z42=random.randint(0,5)
```

```

        c2.execute("Update 12C set P8='{}' where day='monday'".format(n5[z42]))
        d2.commit()
        print("Generated")
        print("-----")
    else:
        print("Entered class doesn't exist in our database")

if b==1:
    AddTeacher()

elif b==2:
    DelTeacher()

elif b==3:
    AddClass()

elif b==4:
    DelClass()

elif b==5:
    GenTT()

else:
    print("Enter a valid number")
    print("-----")
def student():
    print("----Student Menu----")
    print("1.Select class to view timetable")
    print("2.View subjectwise timetable")
    print("3.View practical classes")
    print("4.View theory classes")
    print("Enter any number to go back")

f=int(input("Enter what you want to do:- "))

def ViewTT():
    try:
        ec=input("Enter your class:- ")
        scv=input("Enter section:- ")
        escv=ec+scv
        d3=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
        c3=d3.cursor()

        c3.execute("select * from {}".format(escv))
        tt=c3.fetchall()
        print("DAY/Period","-*5,"P1","-*13,"P2","-*13,"P3","-*13,"P4","-*13,"P5","-*13,"P6","-*13,"P7","-*13,"P8")
        for i in tt:
            l10=len(i[0])
            l11=len(i[1])

```



```

l12=len(i[2])
l13=len(i[3])
l14=len(i[4])
l15=len(i[5])
l16=len(i[6])
l17=len(i[7])
l18=len(i[8])
print(i[0],"-"*(15-l10),i[1],"-"*(15-l11),i[2],"-"*(15-l12),i[3],"-"*(15-l13),i[4],"-"*(15-l14),i[5],"-"*(15-l15),i[6],"-"*(15-l16),i[7],"-"*(15-l17),i[8])
d3.commit()
except:
    print("Either entered class/section doesn't exist or")
    print("Recheck and enter appropriate values")

print("-----")
def SubTT():
    try:

        ecd=input("Enter your class:- ")
        scd=input("Enter your section:- ")
        escd=ecd+scd
        print("Abbreviations used","-"*2,"Subject")
        print("Phy","-"*17,"Physics")
        print("Chem","-"*16,"Chemistry")
        print("Math","-"*16,"Mathematics")
        print("Eng","-"*17,"English")
        print("Bio/CS--for 12a","-"*6,"Biology/Computer Science")
        print("PHE/PAI","-"*13,"Physical Education/Painting")
        print("Lib","-"*17,"Library")
        print("G & C","-"*15,"Counselling and guidance")
        print("Math/Hindi--for 12b,12c","-"*1,"Mathematics/Hindi")
        print("Bio--for 12b","-"*9,"Biology")
        print("CCA","-"*17,"Co-curricular Activities")
        print("Phy/Chem PR","-"*9,"Physics/Chemistry Practical")
        print("Bio/CS PR","-"*11,"Biology/Computer Science Practical")
        print("Eco","-"*17,"Economics")
        print("Hist","-"*16,"History")
        print("Geo","-"*17,"Geography")
        print("Eco PR","-"*14,"Economics Practical")
        subd=input("Enter subject:- ")
        d8=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
        c8=d8.cursor()
        c8.execute("select day from {} where P1 like '{}{}%' ;".format(escd,subd))
        pr1=c8.fetchall()
        pl1=len(pr1)
        for i in range (1):
            for j in pr1:
                print("P1",j[0])
        c8.execute("select day from {} where P2 like '{}{}%' ;".format(escd,subd))
        pr2=c8.fetchall()
        pl2=len(pr2)

```

```

for i in range (1):
    for j in pr2:
        print("P2" ,j[0])
c8.execute("select day from {} where P3 like '{}{}%' ;".format(escd,subd))
pr3=c8.fetchall()
pl3=len(pr3)
for i in range (1):
    for j in pr3:
        print("P3" ,j[0])
c8.execute("select day from {} where P4 like '{}{}%' ;".format(escd,subd))
pr4=c8.fetchall()
pl4=len(pr4)
for i in range (1):
    for j in pr4:
        print("P4" ,j[0])
c8.execute("select day from {} where P5 like '{}{}%' ;".format(escd,subd))
pr5=c8.fetchall()
pl5=len(pr5)
for i in range (1):
    for j in pr5:
        print("P5" ,j[0])
c8.execute("select day from {} where P6 like '{}{}%' ;".format(escd,subd))
pr6=c8.fetchall()
pl6=len(pr6)
for i in range (1):
    for j in pr6:
        print("P6" ,j[0])
c8.execute("select day from {} where P7 like '{}{}%' ;".format(escd,subd))
pr7=c8.fetchall()
pl7=len(pr7)
for i in range (1):
    for j in pr7:
        print("P7" ,j[0])
c8.execute("select day from {} where P8 like '{}{}%' ;".format(escd,subd))
pr8=c8.fetchall()
pl8=len(pr8)
for i in range (1):
    for j in pr8:
        print("P8" ,j[0])
except:
    print("Enter appropriate values")

```

```

def PrTT():
    try:
        ecf=input("Enter your class- ")
        scf=input("Enter your section:- ")
        escf=ecf+scf

```

```
d9=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
c9=c9.cursor()
c9.execute("select day,P1 from {} where P1 like '%PR%' ;".format(escf))
pr17=c9.fetchall()
pl17=len(pr17)
for i in range (1):
    for j in pr17:
        print("P8",j[0],j[1])
c9.execute("select day,P2 from {} where P2 like '%PR%' ;".format(escf))
pr18=c9.fetchall()
pl18=len(pr18)
for i in range (1):
    for j in pr18:
        print("P8",j[0],j[1])
c9.execute("select day,P3 from {} where P3 like '%PR%' ;".format(escf))
pr19=c9.fetchall()
pl19=len(pr19)
for i in range (1):
    for j in pr19:
        print("P8",j[0],j[1])
c9.execute("select day,P4 from {} where P4 like '%PR%' ;".format(escf))
pr20=c9.fetchall()
pl20=len(pr20)
for i in range (1):
    for j in pr20:
        print("P8",j[0],j[1])
c9.execute("select day,P5 from {} where P5 like '%PR%' ;".format(escf))
pr21=c9.fetchall()
pl21=len(pr21)
for i in range (1):
    for j in pr21:
        print("P8",j[0],j[1])
c9.execute("select day,P6 from {} where P6 like '%PR%' ;".format(escf))
pr22=c9.fetchall()
pl22=len(pr22)
for i in range (1):
    for j in pr22:
        print("P8",j[0],j[1])
c9.execute("select day,P7 from {} where P7 like '%PR%' ;".format(escf))
pr23=c9.fetchall()
pl23=len(pr23)
for i in range (1):
    for j in pr23:
        print("P8",j[0],j[1])
c9.execute("select day,P8 from {} where P8 like '%PR%' ;".format(escf))
pr24=c9.fetchall()
pl24=len(pr24)
for i in range (1):
    for j in pr24:
        print("P8",j[0],j[1])
```

```
except:
    print("Enter appropriate values")
```

```
def ThTT():
```

```
    try:
```

```
        ece=input("Enter your class:- ")
```

```
        sce=input("Enter your section:- ")
```

```
        esce=ece+sce
```

```
        print("Abbreviations used",- "*2","Subject")
```

```
        print("Phy",- "*17","Physics")
```

```
        print("Chem",- "*16","Chemistry")
```

```
        print("Math",- "*16","Mathematics")
```

```
        print("Eng",- "*17","English")
```

```
        print("Bio/CS--for 12a",- "*6","Biology/Computer Science")
```

```
        print("PHE/PAI",- "*13","Physical Education/Painting")
```

```
        print("Lib",- "*17","Library")
```

```
        print("G & C",- "*15","Counselling and guidance")
```

```
        print("Math/Hindi--for 12b,12c",- "*1","Mathematics/Hindi")
```

```
        print("Bio--for 12b",- "*9","Biology")
```

```
        print("CCA",- "*17","Co-curricular Activities")
```

```
        print("Phy/Chem PR",- "*9","Physics/Chemistry Practical")
```

```
        print("Bio/CS PR",- "*11","Biology/Computer Science Practical")
```

```
        print("Eco",- "*17","Economics")
```

```
        print("Hist",- "*16","History")
```

```
        print("Geo",- "*17","Geography")
```

```
        print("Eco PR",- "*14","Economics Practical")
```

```
        sre=input("Enter subject:- ")
```

```
        d7=msc.connect(host="localhost",user="root",password="admin",database="Time_table_arrangement")
```

```
        c7=d7.cursor()
```

```
        c7.execute("select day,P1 from {} where P1='{}' ;".format(esce,sre))
```

```
        pr9=c7.fetchall()
```

```
        pl9=len(pr9)
```

```
        for i in range (1):
```

```
            for j in pr9:
```

```
                print("P1",j[0],j[1])
```

```
        c7.execute("select day,P2 from {} where P2='{}' ;".format(esce,sre))
```

```
        pr10=c7.fetchall()
```

```
        pl10=len(pr10)
```

```
        for i in range (1):
```

```
            for j in pr10:
```

```
                print("P2",j[0])
```

```
        c7.execute("select day,P3 from {} where P3='{}' ;".format(esce,sre))
```

```
        pr11=c7.fetchall()
```

```
        pl11=len(pr11)
```

```
        for i in range (1):
```

```
            for j in pr11:
```

```
                print("P3",j[0])
```

```
        c7.execute("select day,P4 from {} where P4='{}' ;".format(esce,sre))
```

```
        pr12=c7.fetchall()
```

```

pl12=len(pr12)
for i in range (1):
    for j in pr12:
        print("P4" ,j[0])
c7.execute("select day,P5 from {} where P5='{}' ;".format(esce,sre))
pr13=c7.fetchall()
pl13=len(pr13)
for i in range (1):
    for j in pr13:
        print("P5" ,j[0])
c7.execute("select day,P6 from {} where P6='{}' ;".format(esce,sre))
pr14=c7.fetchall()
pl14=len(pr14)
for i in range (1):
    for j in pr14:
        print("P6" ,j[0])
c7.execute("select day,P7 from {} where P7='{}' ;".format(esce,sre))
pr15=c7.fetchall()
pl15=len(pr15)
for i in range (1):
    for j in pr15:
        print("P7" ,j[0])
c7.execute("select day,P8 from {} where P8='{}' ;".format(esce,sre))
pr16=c7.fetchall()
pl16=len(pr16)
for i in range (1):
    for j in pr16:
        print("P8" ,j[0])

```

```

print("-----")
except:
    print("Enter appropriate values")

```

```

if f==1:
    ViewTT()
elif f==2:
    SubTT()
elif f==3:
    PrTT()
elif f==4:
    ThTT()
else:
    print("Enter a valid no.")
    print("-----")

```

```

while True:
    print("----Welcome----")
    print("Enter 1 for Teacher")
    print("Enter 2 for Student")
    print("Enter 3 to Exit")

```

```
try:
    a=int(input("Enter who you are:- "))
    if a==1:
        Teacher()

    elif a==2:
        student()

    elif a==3:
        print("----Thank you----")
        break
except:
    print("Enter appropriate values")
```

DATABASES

Password:- Admin

```
Enter password: *****
```

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

```
Your MySQL connection id is 39
```

```
Server version: 8.0.34 MySQL Community Server - GPL
```

```
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
```

```
Oracle is a registered trademark of Oracle Corporation and/or its  
affiliates. Other names may be trademarks of their respective  
owners.
```

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
mysql> use time_table_arrangement;
```

```
Database changed
```

```
mysql> show tables;
```

```
+-----+  
| Tables_in_time_table_arrangement |  
+-----+  
| 12a                                |  
| 12b                                |  
| 12c                                |  
| student_details                   |  
| teacher_details                   |  
+-----+
```

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

```
mysql> select*from teacher_details;
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| Teacher_ID | Teacher_Name | Subject | Post | Salary | Class_Teaching1 | Class_Teaching2 |  
+-----+-----+-----+-----+-----+-----+-----+  
| 201 | Shakti | cs | comp inst | 30000 | 10 | 9 |  
| 1000 | S K Misra | Computer Science | PGT | 600000 | 12A | 11A |  
| 1001 | L N Pathy | Physics | PGT | 400000 | 12A | 12B |  
| 1002 | V Anita Kumari | Chemistry | PGT | 650000 | 12A | 12B |  
| 1003 | Sparsha Aggarwal | Mathematics | PGT | 500000 | 12A | 12B |  
| 1004 | Manisha Menon | English | PGT | 625000 | 12A | 12B |  
| 1111 | Akshay kumar | PHE | PGT | 50850 | 11 | 12 |  
+-----+-----+-----+-----+-----+-----+-----+
```

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

```
mysql> select*from student_details;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| Class | Section | Class_type | Periods | Main_Sub1 | Main_Sub2 | Main_Sub3 | Main_Sub4 | Main_Sub5 | Add_Sub1 | Add_Sub2 | Add_Sub3 |  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+  
| 12 | A | Senior secondary | 8 | Bio/CS | Phy | Chem | Math | Eng | PHE/PAI | Lib | G & C |  
| 12 | B | Senior secondary | 8 | Chem | Bio | Math/Hindi | Phy | Eng | G & C | PHE/PAI | Lib |  
| 12 | C | Senior secondary | 8 | History | Geo | Eco | Math/Hindi | Eng | Lib | G & C | PHE/PAI |  
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
```

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

Below mentioned three tables changes every time we generate a timetable

```
mysql> select*from 12a;
```

Day	P1	P2	P3	P4	P5	P6	P7	P8
Monday	Bio/CS	Eng	Math	Math	Eng	Phy	Chem	Eng
Tuesday	Bio/CS	Phy	Phy/Chem PR	Math	Phy/Chem PR	Phy	Phy	Phy/Chem PR
Wednesday	Bio/CS	Chem	Math	Math	PHE/PAI	Math	CCA	CCA
Thursday	Bio/CS	Chem	Bio/CS PR	Chem	Chem	Game	Eng	Eng
Friday	Bio/CS	Math	G & C	Eng	G & C	Chem	Phy	Chem
Saturday	Bio/CS	Math	Chem	Eng	Phy	Bio/CS	Chem	Math

6 rows in set (0.00 sec)

```
mysql> select*from 12b;
```

Day	P1	P2	P3	P4	P5	P6	P7	P8
Monday	Bio	Phy/Chem PR	Math/Hindi	Chem	Phy/Chem PR	Phy	Phy	Math/Hindi
Tuesday	Bio	Phy	Eng	Math/Hindi	Phy	Phy	Eng	Phy
Wednesday	Bio	Eng	Phy	PHE/PAI	Eng	Lib	Phy	Lib
Thursday	Bio	Bio PR	Bio PR	Chem	Chem	Bio PR	Bio PR	Eng
Friday	Bio	Bio	Phy	Math/Hindi	Math/Hindi	Chem	Bio	Math/Hindi
Saturday	Bio	Math/Hindi	Phy	Phy	Eng	Chem	Chem	Chem

6 rows in set (0.00 sec)

```
mysql> select*from 12c;
```

Day	P1	P2	P3	P4	P5	P6	P7	P8
Monday	Eco	Game	Math/Hindi	Eng	Math/Hindi	Hist	Hist	Geo
Tuesday	Eco	Math/Hindi	PHE/PAI	Geo	Geo	Eng	Eco	Geo
Wednesday	Eco	Eco	Math/Hindi	Geo	Eco	Eco	CCA	CCA
Thursday	Eco	G & C	Eco	Math/Hindi	Geo	Geo	Hist	Geo
Friday	Eco	Eco PR	Math/Hindi	Eco PR	Eco PR	Geo	Eng	Eng
Saturday	Eco	Eng	Math/Hindi	Eng	Hist	Eco	Math/Hindi	Eng

6 rows in set (0.00 sec)

OUTPUT

===== RESTART: D:\Time-table-SSSS\Time table arrangement.py =====

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 1

----Teacher Menu----

1.Add Teacher

2.Delete Teacher

3.Add class

4.Delete class

5.Generate timetable

Enter any number to go back

Enter what you want to do:- 1

Enter teacher id:- 10008

Enter teacher name:- Saswatee

Enter subject:- Physics

Enter post:- PGT

Enter salary:- 111111

Enter class teaching 1:- 11

Enter class teaching 2:- 12

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 1

----Teacher Menu----

1.Add Teacher

2.Delete Teacher
3.Add class
4.Delete class
5.Generate timetable
Enter any number to go back

Enter what you want to do:- 2

Enter teacher id:-10008

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 1

----Teacher Menu----

1.Add Teacher

2.Delete Teacher

3.Add class

4.Delete class

5.Generate timetable

Enter any number to go back

Enter what you want to do:- 3

Enter class:- 11

Enter section:- A

Enter classtype:- Senior Sec

Enter main subject 1:- Phy

Enter main subject 2:- Chem

Enter main subject 3:- Math

Enter main subject 4:- Eng

Enter main subject 5:- CS

Enter additional subject 1:- Lib

Enter additional subject 2:- G and C

Enter additional subject 3:- PHE/PAI

Enter no. of periods:- 8

----Welcome----

Enter 1 for Teacher
Enter 2 for Student
Enter 3 to Exit
Enter who you are:- 1

-----Teacher Menu-----

- 1.Add Teacher
- 2.Delete Teacher
- 3.Add class
- 4.Delete class
- 5.Generate timetable

Enter any number to go back

Enter what you want to do:- 4

Enter class:- 11

Enter section:- a

-----Welcome-----

Enter 1 for Teacher
Enter 2 for Student
Enter 3 to Exit

Enter who you are:- 1

-----Teacher Menu-----

- 1.Add Teacher
- 2.Delete Teacher
- 3.Add class
- 4.Delete class
- 5.Generate timetable

Enter any number to go back

Enter what you want to do:- 5

Enter class:- 12

Enter sec:- a

Generated

-----Welcome-----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 1

-----Teacher Menu-----

1.Add Teacher

2.Delete Teacher

3.Add class

4.Delete class

5.Generate timetable

Enter any number to go back

Enter what you want to do:- 99

Enter a valid number

-----Welcome-----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

-----Student Menu-----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 1

Enter your class:- 12

Enter section:- a

DAY/Period	P1	P2	P3	P4	P5	P6	P7	P8
Monday	Bio/CS	Eng	Chem	Phy	Math	Chem	Chem	Math
Tuesday	Bio/CS	Phy	Math	Chem	Eng	Phy	Math	Phy/Chem PR
Wednesday	Bio/CS	Phy	Math	Chem	Eng	Eng	CCA	CCA
Thursday	Bio/CS	Chem	Math	Game	Bio/CS	Chem	Eng	Bio/CS PR
Friday	Bio/CS	Bio/CS	Chem	Eng	Bio/CS	Math	G & C	Chem
Saturday	Bio/CS	Chem	Math	Phy	Phy	Math	Eng	Bio/CS

-----Welcome-----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

- 1.Select class to view timetable
- 2.View subjectwise timetable
- 3.View practical classes
- 4.View theory classes

Enter any number to go back

Enter what you want to do:- 1

Enter your class:- 12

Enter section:- b

DAY/Period	P1	P2	P3	P4	P5	P6	P7	P8
Monday	Bio	Phy/Chem PR	Math/Hindi	Chem	Phy/Chem PR	Phy	Phy	Math/Hindi
Tuesday	Bio	Phy	Eng	Math/Hindi	Phy	Phy	Eng	Phy
Wednesday	Bio	Eng	Phy	PHE/PAI	Eng	Lib	Phy	Lib
Thursday	Bio	Bio PR	Bio PR	Chem	Chem	Bio PR	Bio PR	Eng
Friday	Bio	Bio	Phy	Math/Hindi	Math/Hindi	Chem	Bio	Math/Hindi
Saturday	Bio	Math/Hindi	Phy	Phy	Eng	Chem	Chem	Chem

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

- 1.Select class to view timetable
- 2.View subjectwise timetable
- 3.View practical classes
- 4.View theory classes

Enter any number to go back

Enter what you want to do:- 1

Enter your class:- 12

Enter section:- c

DAY/Period	P1	P2	P3	P4	P5	P6	P7	P8
Monday	Eco	Game	Math/Hindi	Eng	Math/Hindi	Hist	Hist	Geo
Tuesday	Eco	Math/Hindi	PHE/PAI	Geo	Eng	Eco	Geo	Geo
Wednesday	Eco	Eco	Math/Hindi	Geo	Eco	CCA	CCA	CCA
Thursday	Eco	G & C	Eco	Math/Hindi	Geo	Geo	Hist	Geo
Friday	Eco	Eco PR	Math/Hindi	Eco PR	Eco PR	Geo	Eng	Eng
Saturday	Eco	Eng	Math/Hindi	Eng	Hist	Eco	Math/Hindi	Eng

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

- 1.Select class to view timetable
- 2.View subjectwise timetable
- 3.View practical classes
- 4.View theory classes

Enter any number to go back

Enter what you want to do:- 1

Enter your class:- 12

Enter section:- d

Either entered class/section doesn't exist or
Recheck and enter appropriate values

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

- 1.Select class to view timetable
- 2.View subjectwise timetable
- 3.View practical classes
- 4.View theory classes

Enter any number to go back

Enter what you want to do:- 2

Enter your class:- 12

Enter your section:- a

Abbreviations used -- Subject

Phy ----- Physics

Chem ----- Chemistry

Math ----- Mathematics

Eng ----- English

Bio/CS--for 12a ----- Biology/Computer Science

PHE/PAI ----- Physical Education/Painting

Lib ----- Library

G & C ----- Counselling and guidance
Math/Hindi--for 12b,12c - Mathematics/Hindi
Bio--for 12b ----- Biology
CCA ----- Co-curricular Activities
Phy/Chem PR ----- Physics/Chemistry Practical
Bio/CS PR ----- Biology/Computer Science Practical
Eco ----- Economics
Hist ----- History
Geo ----- Geography
Eco PR ----- Economics Practical

Enter subject:- **math**

P3 Tuesday

P3 Wednesday

P3 Thursday

P3 Saturday

P5 Monday

P6 Friday

P6 Saturday

P7 Tuesday

P8 Monday

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- **2**

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- **2**

Enter your class:- **12**

Enter your section:- **b**

Abbreviations used -- Subject

Phy ----- Physics
Chem ----- Chemistry
Math ----- Mathematics
Eng ----- English
Bio/CS--for 12a ----- Biology/Computer Science
PHE/PAI ----- Physical Education/Painting
Lib ----- Library
G & C ----- Counselling and guidance
Math/Hindi--for 12b,12c - Mathematics/Hindi
Bio--for 12b ----- Biology
CCA ----- Co-curricular Activities
Phy/Chem PR ----- Physics/Chemistry Practical
Bio/CS PR ----- Biology/Computer Science Practical
Eco ----- Economics
Hist ----- History
Geo ----- Geography
Eco PR ----- Economics Practical

Enter subject:- **bio**

P1 Monday

P1 Tuesday

P1 Wednesday

P1 Thursday

P1 Friday

P1 Saturday

P2 Thursday

P2 Friday

P3 Thursday

P6 Thursday

P7 Thursday

P7 Friday

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- **2**

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 2

Enter your class:- 12

Enter your section:- c

Abbreviations used -- Subject

Phy ----- Physics

Chem ----- Chemistry

Math ----- Mathematics

Eng ----- English

Bio/CS--for 12a ----- Biology/Computer Science

PHE/PAI ----- Physical Education/Painting

Lib ----- Library

G & C ----- Counselling and guidance

Math/Hindi--for 12b,12c - Mathematics/Hindi

Bio--for 12b ----- Biology

CCA ----- Co-curricular Activities

Phy/Chem PR ----- Physics/Chemistry Practical

Bio/CS PR ----- Biology/Computer Science Practical

Eco ----- Economics

Hist ----- History

Geo ----- Geography

Eco PR ----- Economics Practical

Enter subject:- geo

P4 Tuesday

P4 Wednesday

P5 Tuesday

P5 Thursday

P6 Thursday

P6 Friday

P8 Monday

P8 Tuesday

P8 Thursday

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 2

Enter your class:- 12

Enter your section:- d

Abbreviations used -- Subject

Phy ----- Physics

Chem ----- Chemistry

Math ----- Mathematics

Eng ----- English

Bio/CS--for 12a ----- Biology/Computer Science

PHE/PAI ----- Physical Education/Painting

Lib ----- Library

G & C ----- Counselling and guidance

Math/Hindi--for 12b,12c - Mathematics/Hindi

Bio--for 12b ----- Biology

CCA ----- Co-curricular Activities

Phy/Chem PR ----- Physics/Chemistry Practical

Bio/CS PR ----- Biology/Computer Science Practical

Eco ----- Economics

Hist ----- History

Geo ----- Geography

Eco PR ----- Economics Practical

Enter subject:- eco

Enter appropriate values

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 3

Enter your class- 12

Enter your section:- a

P8 Tuesday Phy/Chem PR

P8 Thursday Bio/CS PR

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 3

Enter your class- 12

Enter your section:- b

P8 Monday Phy/Chem PR

P8 Thursday Bio PR

P8 Thursday Bio PR

P8 Monday Phy/Chem PR

P8 Thursday Bio PR

P8 Thursday Bio PR

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 3

Enter your class- 12

Enter your section:- c

P8 Friday Eco PR

P8 Friday Eco PR

P8 Friday Eco PR

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 3

Enter your class- 12

Enter your section:- d

Enter appropriate values

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 4

Enter your class:- 12

Enter your section:- a

Abbreviations used -- Subject

Phy ----- Physics

Chem ----- Chemistry

Math ----- Mathematics

Eng ----- English

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Bio/CS PR ----- Biology/Computer Science Practical

Eco ----- Economics

Hist ----- History

Geo ----- Geography

Eco PR ----- Economics Practical

Enter subject:- bio/cs

P1 Monday Bio/CS

P1 Tuesday Bio/CS

P1 Wednesday Bio/CS

P1 Thursday Bio/CS

P1 Friday Bio/CS

P1 Saturday Bio/CS

P2 Friday

P5 Thursday

P5 Friday

P8 Saturday

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 4

Enter your class:- 12

Enter your section:- b

Abbreviations used -- Subject

Phy ----- Physics

Chem ----- Chemistry

Math ----- Mathematics

Eng ----- English

Bio/CS--for 12a ----- Biology/Computer Science

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Bio--for 12b ----- Biology

CCA ----- Co-curricular Activities

Phy/Chem PR ----- Physics/Chemistry Practical

Bio/CS PR ----- Biology/Computer Science Practical

Eco ----- Economics

Hist ----- History

Geo ----- Geography

Eco PR ----- Economics Practical

Enter subject:- chem

P4 Monday

P4 Thursday

P5 Thursday

P6 Friday

P6 Saturday

P7 Saturday

P8 Saturday

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 2

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 4

Enter your class:- 12

Enter your section:- c

Abbreviations used -- Subject

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Chem ----- Chemistry

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CCA ----- Co-curricular Activities
Phy/Chem PR ----- Physics/Chemistry Practical
Bio/CS PR ----- Biology/Computer Science Practical
Eco ----- Economics
Hist ----- History
Geo ----- Geography
Eco PR ----- Economics Practical

Enter subject:- **eco**

P1 Monday Eco

P1 Tuesday Eco

P1 Wednesday Eco

P1 Thursday Eco

P1 Friday Eco

P1 Saturday Eco

P2 Wednesday

P3 Thursday

P5 Wednesday

P6 Wednesday

P6 Saturday

P7 Tuesday

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- **2**

----Student Menu----

1.Select class to view timetable

2.View subjectwise timetable

3.View practical classes

4.View theory classes

Enter any number to go back

Enter what you want to do:- 4

Enter your class:- 12

Enter your section:- d

Abbreviations used -- Subject

Phy ----- Physics

Chem ----- Chemistry

Math ----- Mathematics

Eng ----- English

Bio/CS--for 12a ----- Biology/Computer Science

PHE/PAI ----- Physical Education/Painting

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CCA ----- Co-curricular Activities

Phy/Chem PR ----- Physics/Chemistry Practical

Bio/CS PR ----- Biology/Computer Science Practical

Eco ----- Economics

Hist ----- History

Geo ----- Geography

Eco PR ----- Economics Practical

Enter subject:- bio/cs

Enter appropriate values

----Welcome----

Enter 1 for Teacher

Enter 2 for Student

Enter 3 to Exit

Enter who you are:- 3

----Thank you----

REFERENCES

Python

www.python.org

MySQL

www.mysql.com

Class 11th and 12th computer science books