

SOURCE CODE

#PROJECT DONE FOR THE ASUBMISSION OF AISSCE PRACTICAL
EXAMINATION

#CINEMA TICKET BOOKING PROJECT DONE by IP STUDENTS of MGM
CPS

#IMPORTING HEADER FILES

import mysql.connector as sc

import numpy as np

import matplotlib.pyplot as plt

DEFINITION OF Login() function

def Login():

 print("\n\n\n\n")

 print("*****")

 print("WELCOME TO BOOK MY SHOW")

 print("*****")

 user=input("Enter USER ID:")

 pas=input("Enter PASSWORD:")

 if user=="Admin" and pas=="mgm":

```
    print("SUCCESSFULLY LOGGED !!!!")
    Homepage()
else:
    print("INCORRECT CREDENTIALS")
    Login()
```

DEFINITION OF Homepage() function

```
def Homepage():
    print("\n\n\n\n")
    print("*****")
    print("WELCOME TO BOOK MY SHOW")
    print("*****")
    print("1. Registration Session")
    print("2. Ticket Booking")
    print("3. SEARCH")
    print("4. REPORT")
    op=int(input("Enter Your option:"))
    if op==1:
        Registration()
    elif op==2:
        TicketBooking()
    elif op==3:
        Search()
    elif op==4:
        Report()
    else:
        print("INVALID OPTION")
```

##Definition for Registration()

```
def Registration():  
    print("\n\n\n\n")  
    print("*****")  
    print("WELCOME TO BOOK MY SHOW")  
    print("1. ADD THEATER DETAILS")  
    print("2. UPDATE THEATER DETAILS")  
    print("3. REMOVE DETAILS OF THEATER")  
    print("4. SEARCH")  
    print("5. GO HOME")  
    op=int(input("Enter your option"))  
    if op==1:  
        AddTheater()  
    elif op==2:  
        UpdateTheater()  
    elif op==3:  
        RemoveTheater()  
    elif op==4:  
        Search()  
    elif op==5:  
        Homepage()  
    else:  
        print("Invalid option")
```

#Defintition for AddTheater() function

```
def AddTheater():
```

```

print("\n\n\n\n")
print("*****")
print("WELCOME TO BOOK MY SHOW")
Tid=int(input("Enter Theater Id:"))
Tname=input("Enter name of the Theater:")
Tfilm=input("Enter film name:")
Tnofront=int(input("Enter number of Seats in front row:"))
Tnomiddle=int(input("Enter number of Seats in middle row:"))
Tnback=int(input("Enter number of Seats in back row:"))
Tnbalcony=int(input("Enter number of Seats in balcony:"))
Tpricefront=int(input("Enter price of Seat in front row:"))
Tpricemiddle=int(input("Enter price of Seat in middle row:"))
Tpriceback=int(input("Enter price of Seat in back row:"))
Tpricebalcony=int(input("Enter price of Seat in balcony:"))

conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
mycursor=conn.cursor()
query="insert into Theater
values( {}, '{}', '{}', {}, {}, {}, {}, {}, {}, {}, {})".format(Tid,Tname,Tfilm,Tnofront,Tn
omiddle,Tnback,Tnbalcony,Tpricefront,Tpricemiddle,Tpriceback,Tpricebalcony
)
mycursor.execute(query)
conn.commit()
conn.close()
print("SUCCESSFULLY ADD THEATER DEATILS")

```

#Defintition for UpdateTheater() function

```

def UpdateTheater():
    print("\n\n\n\n")
    print("*****")
    print("WELCOME TO BOOK MY SHOW")
    Tid=int(input("Enter Theater Id for updation:"))
    ufilim=input("Enter film name:")
    unofront=int(input("Enter number of Seats in front row:"))
    unomiddle=int(input("Enter number of Seats in middle row:"))
    unoback=int(input("Enter number of Seats in back row:"))
    unobalcony=int(input("Enter number of Seats in balcony:"))
    upricefront=int(input("Enter price of Seat in front row:"))
    upricemiddle=int(input("Enter price of Seat in middle row:"))
    upriceback=int(input("Enter price of Seat in back row:"))
    upricebalcony=int(input("Enter price of Seat in balcony:"))

    conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
    mycursor=conn.cursor()
    query="update Theater set
    Tfilim='{ }',Tfrontno={ },Tmiddleno={ },Tbackno={ },Tbalconyno={ },Tpricefront=
    { },Tpricemiddle={ },Tpriceback={ },Tpricebalcony={ } where
    Tid={ }".format(ufilim,unofront,unomiddle,unoback,unobalcony,upricefront,uprice
    middle,upriceback,upricebalcony,Tid)
    mycursor.execute(query)
    conn.commit()
    conn.close()
    print("SUCCESSFULLY UPDATE THEATER DEATILS")

```

#Definition for RemoveTheater() function

```
def RemoveTheater():
```

```
    print("\n\n\n\n")
```

```
    print("*****")
```

```
    print("WELCOME TO BOOK MY SHOW")
```

```
    Tid=int(input("Enter Id of Theater we are removing :"))
```

```
conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
```

```
    mycursor=conn.cursor()
```

```
    query="delete from Theater where Tid={}".format(Tid)
```

```
    mycursor.execute(query)
```

```
    conn.commit()
```

```
    conn.close()
```

```
    print("SUCCESSFULLY REMOVE  THEATER DEATILS")
```

#Definition for Search() function

```
def Search():
```

```
    print("\n\n\n\n")
```

```
    print("*****")
```

```
    print("WELCOME TO BOOK MY SHOW")
```

```
    Tid=int(input("Enter Id of Theater we are searching :"))
```

```
conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
```

```
    mycursor=conn.cursor()
```

```
    query="select *  from Theater where Tid={}".format(Tid)
```

```
    mycursor.execute(query)
```

```
    myrecord=mycursor.fetchall()
```

```
for x in myrecord:
```

```
    print(x)
```

```
conn.close()
```

#DEfinition for TicketBooking() section

```
def TicketBooking():
```

```
    print("\n\n\n\n\n")
```

```
    print("*****")
```

```
    print("WELCOME TO BOOK MY SHOW")
```

```
    print("1. Ticket Booking")
```

```
    print("2. Ticket Cancellation")
```

```
    print("3. Search Booking details")
```

```
    print("4. Go Home page")
```

```
    op=int(input("Enter your option"))
```

```
    if op==1:
```

```
        Tbooking()
```

```
    elif op==2:
```

```
        Tcancel()
```

```
    elif op==3:
```

```
        SearchBooking()
```

```
    elif op==4:
```

```
        Homepage()
```

```
    else:
```

```
        print("Invalid option")
```

#DEfinition for TBooking() function

```
def Tbooking():
```

```

print("\n\n\n\n")
print("*****")
print("WELCOME TO BOOK MY SHOW")
conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
mycursor=conn.cursor()
query="select * from Theater "
mycursor.execute(query)
myrecord=mycursor.fetchall()
print("DEtails of Theaters ")
for x in myrecord:
    print(x)
conn.close()
bid=int(input("Enter Booking id"))
tid=int(input("Enter Theater id:"))
typeticket=input("Enter type of ticket(Front/Middle/Back/Balcony)")

```

```

conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
mycursor=conn.cursor()
query="select * from Theater where Tid={}".format(tid)
mycursor.execute(query)
myrecord=mycursor.fetchall()
conn.close()
fare=0
for x in myrecord:
    if typeticket=="Front":
        fare=x[7]
    elif typeticket=="Middle":

```

```

        fare=x[8]
    elif typeticket=="Back":
        fare=x[9]
    elif typeticket=="Balcony":
        fare=x[10]
    query1="insert into ticketbooking
values({}, {}, '{}', {})".format(bid,tid,typeticket,fare)

conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
    mycursor=conn.cursor()
    mycursor.execute(query1)
    conn.commit()
    print("Successfully Booking done")
    conn.close()

```

#Definition for the function Tcancel()

```

def Tcancel():
    print("\n\n\n\n\n")
    print("*****")
    print("WELCOME TO BOOK MY SHOW")
    conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
    mycursor=conn.cursor()
    bidcan=int(input("Enter id of the ticket to be cancelling:"))
    query1="select * from ticketbooking where bid={}".format(bidcan)
    mycursor.execute(query1)
    myrecord=mycursor.fetchall()
    typeticket=""

```

```

for x in myrecord:
    typeticket=x[2]
    tidcan=x[1]
    print(typeticket)
query3="delete from ticketbooking where bid={}".format(tidcan)
mycursor.execute(query3)
query2=""
if typeticket=="front":
    query2="update theater set Tfrontno=Tfrontno+1 where
tid={}".format(tidcan)
elif typeticket=="middle":
    query2="update theater set Tmiddleno=Tmiddleno+1 where
tid={}".format(tidcan)
elif typeticket=="back":
    query2="update theater set Tbackno=Tbackno+1 where
tid={}".format(tidcan)
elif typeticket=="balcony":
    query2="update theater set Tbalconyno=Tbalconyno+1 where
tid={}".format(tidcan)
mycursor.execute(query2)
print("SUCCESSFULLY DONE THE CANCELLATION OF TICKET")
conn.close()

```

#Definition for Search() function

```

def SearchBooking():
    print("\n\n\n\n\n")
    print("*****")

```

```

print("WELCOME TO BOOK MY SHOW")

conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
mycursor=conn.cursor()
bidcan=int(input("Enter id of the ticket booking to be searching: "))
query1="select * from ticketbooking where bid={}".format(bidcan)
mycursor.execute(query1)
myrecord=mycursor.fetchall()
print("Bookingid\tTheaterId\tTypeofseat\tprice\n")
for x in myrecord:
    print(x[0],"\t",x[1],"\t",x[2],"\t",x[3],"\n")
conn.close()

```

#Definition for the function Report()

```

def Report():
    print("\n\n\n\n")
    print("*****")
    print("WELCOME TO BOOK MY SHOW")
    print("1. Report Based on Types of seats")
    print("2. Report Based on Ticket price")
    print("3.GO HOME ")
    op=int(input("Enter your option:"))
    if op==1:
        conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
        mycursor=conn.cursor()
        query1="select typeofseat,count(*) from ticketbooking group by typeofseat"
        mycursor.execute(query1)

```

```

myrecord=mycursor.fetchall()
typeseat=[]
noseat=[]
for x in myrecord:
    typeseat.append(x[0])
    noseat.append(x[1])
plt.bar(typeseat,noseat)
plt.xlabel("Type of seat")
plt.ylabel("No of seats")
plt.title("Grpah based on Type and No of seats")
conn.close()
elif op==2:
conn=sc.connect(host="localhost",user="root",password="mgm",database="ip12")
    mycursor=conn.cursor()
    query1="select typeofseat,sum(price) from ticketbooking group by
typeofseat"
    mycursor.execute(query1)
    myrecord=mycursor.fetchall()
    typeseat=[]
    noseat=[]
    for x in myrecord:
        typeseat.append(x[0])
        noseat.append(x[1])
    plt.bar(typeseat,noseat)
    plt.xlabel("Type of seat")
    plt.ylabel("Total Amount")
    plt.title("Grpah based on Type and Amount for each type")

```

```
conn.close()
```

```
## CALLING MAIN SECTION
```

```
Login()
```

SCREEN SHOTS

Login Section

```
*****  
WELCOME TO BOOK MY SHOW  
*****  
  
Enter USER ID:Admin  
  
Enter PASSWORD:mgm  
SUCCESSFULLY LOGGED !!!!
```

Home page

```
*****  
WELCOME TO BOOK MY SHOW  
*****  
  
1. Registration Session  
2. Ticket Booking  
3. SEARCH  
4. REPORT  
  
Enter Your option:|
```

Registration Section

```
*****
WELCOME TO BOOK MY SHOW
1. ADD THEATER DETAILS
2. UPDATE THEATER DETAILS
3. REMOVE DETAILS OF THEATER
4. SEARCH
5. GO HOME

Enter your option1|
```

Add Theater Details

```
*****
WELCOME TO BOOK MY SHOW

Enter Theater Id:300

Enter name of the Theater:Krishna

Enter film name:MAster

Enter number of Seats in front row:50
Enter number of Seats in middle row:60
Enter number of Seats in back row:40
Enter number of Seats in balcony:20

Enter price of Seat in front row:100
Enter price of Seat in middle row:150
Enter price of Seat in back row:200
Enter price of Seat in balcony:400
SUCCESSFULLY ADD THEATER DEATILS
```

Update Theater Details

```
*****  
WELCOME TO BOOK MY SHOW  
  
Enter Theater Id for updation:300  
  
Enter film name:Great Indian Kitchen  
  
Enter number of Seats in front row: 50  
  
Enter number of Seats in middle row:60  
  
Enter number of Seats in back row:20  
  
Enter number of Seats in balcony:10  
  
Enter price of Seat in front row:100  
  
Enter price of Seat in middle row:150  
  
Enter price of Seat in back row:200  
  
Enter price of Seat in balcony:400  
SUCCESSFULLY UPDATE  THEATER DEATILS
```

Search Theater Details

```
*****  
WELCOME TO BOOK MY SHOW  
  
Enter Id of Theater we are searching :300  
(300, 'Krishna', 'Great Indian Kitchen', 50, 60, 20, 10, 100, 150,  
200, 400)
```

Ticket Booking

```
*****
WELCOME TO BOOK MY SHOW
1. Ticket Booking
2. Ticket Cancellation
3. Search Booking details
4. Go Home page

Enter your option1

*****
WELCOME TO BOOK MY SHOW
Details of Theaters
(200, 'Aries', 'BAhubali', 40, 20, 10, 10, 150, 200, 300, 400)
(300, 'Krishna', 'Great Indian Kitchen', 50, 60, 20, 10, 100, 150,
200, 400)
(500, 'PVR', 'Master', 40, 50, 30, 20, 100, 150, 200, 300)

Enter Booking id1

Enter Theater id:300

Enter type of ticket(Front/Middle/Back/Balcony)front
Successfully Booking done
```

Ticket Cancellation

```
*****
WELCOME TO BOOK MY SHOW
1. Ticket Booking
2. Ticket Cancellation
3. Search Booking details
4. Go Home page

Enter your option2

*****
WELCOME TO BOOK MY SHOW

Enter id of the ticket to be cancelling:1
front
SUCCESSFULLY DONE THE CANCELLATION OF TICKET
```

Search Booking

```
*****
WELCOME TO BOOK MY SHOW
1. Ticket Booking
2. Ticket Cancellation
3. Search Booking details
4. Go Home page
```

Enter your option3

```
*****
WELCOME TO BOOK MY SHOW
```

```
Enter id of the ticket booking to be searching: 4
Bookingid      TheaterId      Typeofseat      price
4              300              Back           200
```

Search

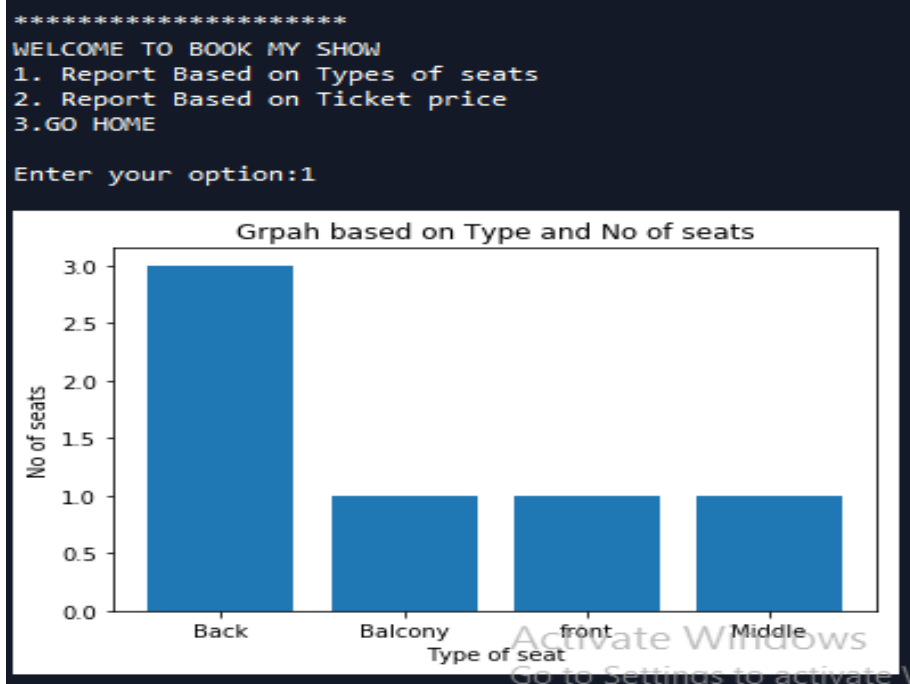
```
*****
WELCOME TO BOOK MY SHOW
```

```
Enter Id of Theater we are searching :200
(200, 'Aries', 'BAhubali', 40, 20, 10, 10, 150, 200, 300, 400)
```

Report

```
*****  
WELCOME TO BOOK MY SHOW  
1. Report Based on Types of seats  
2. Report Based on Ticket price  
3.GO HOME  
  
Enter your option:
```

Report Based on Type of seat

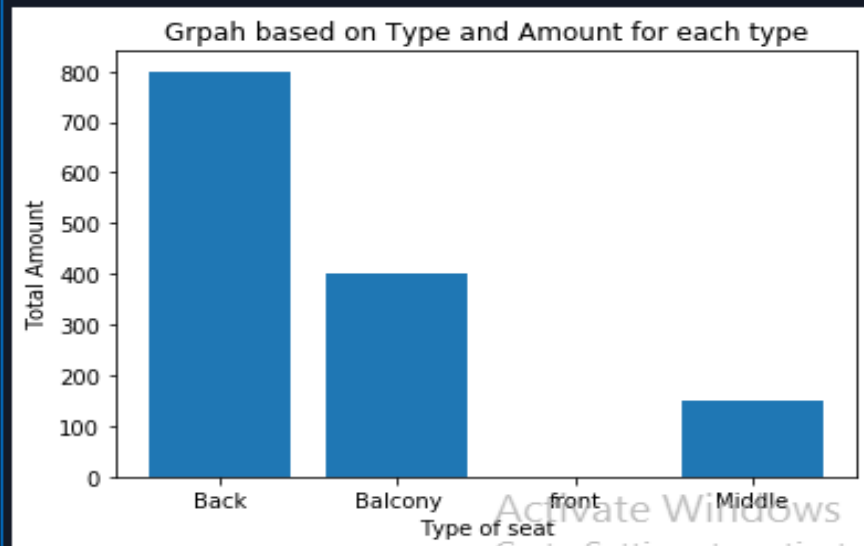


Report Based on price

WELCOME TO BOOK MY SHOW

1. Report Based on Types of seats
2. Report Based on Ticket price
- 3.GO HOME

Enter your option:2



CONCLUSION

This project was completed on time and is found working effectively under all circumstances that may arise in real environment. The program objective specifies on the requirement is believed to be met. Using the facilities and functionalities of python and mysql , the program has been developed in neat manner.

This program is simple and user friendly. The speed and accuracy are maintained in proper way. Testing of the program has given good result.

The program is done with an insight into necessary modifications that is required in the future.

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