

**NETAJI SUBHASH ENGINEERING COLLEGE**



TECHNO CITY, GARIA, KOLKATA - 700152

**IT WORKSHOP PROJECT**

Subject code- PCC-CS-393

IT 2nd Year, Sec-B

Roll :- 58-65

# Python project

On

## Hotel Management System

### Group Details

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# Project code

```
class hotelfarecal:
```

```
    def
```

```
    __init__(self,rt="",s=o,p=o,r=o,t=o,a=1800,name="",address="",cindate="",coutdate="",rno=101):
```

```
        print ("\n\n*****WELCOME TO OUR  
HOTEL*****\n")
```

```
        self.rt=rt
```

```
        self.r=r
```

```
        self.t=t
```

```
        self.p=p
```

```
        self.s=s
```

```
        self.a=a
```

```
        self.name=name
```

```
        self.address=address
```

```
        self.cindate=cindate
```

```
        self.coutdate=coutdate
```

```
        self.rno=rno
```

```

def inputdata(self):
    self.name=input("\nEnter your name:")
    self.address=input("\nEnter your address:")
    self.cindate=input("\nEnter your check in date:")
    self.coutdate=input("\nEnter your checkout date:")
    print("Your room no.:",self.rno,"\n")

def roomrent(self):#sel1353

    print ("We have the following rooms for you:-")

    print ("1. type A---->rs 6000 PN\("-")

    print ("2. type B---->rs 5000 PN\("-")

    print ("3. type C---->rs 4000 PN\("-")

    print ("4. type D---->rs 3000 PN\("-")

    x=int(input("Enter Your Choice Please->"))

    n=int(input("For How Many Nights Did You Stay:"))

    if(x==1):

        print ("you have opted room type A")

```

```
self.s=6000*n
```

```
elif (x==2):
```

```
    print ("you have opted room type B")
```

```
    self.s=5000*n
```

```
elif (x==3):
```

```
    print ("you have opted room type C")
```

```
    self.s=4000*n
```

```
elif (x==4):
```

```
    print ("you have opted room type D")
```

```
    self.s=3000*n
```

```
else:
```

```
    print ("please choose a room")
```

```
print ("your room rent is =",self.s,"\n")
```

```
def restaurentbill(self):
```

```
    print("*****RESTAURANT MENU*****")
```

```
    print("1.water----->Rs20","2.tea----->Rs10","3.breakfast  
    combo--->Rs90","4.lunch----->Rs110","5.dinner--->Rs150"  
    ,"6.Exit")
```

```
    while (1):
```

```
        c=int(input("Enter your choice:"))
```

```
        if (c==1):
```

```
            d=int(input("Enter the quantity:"))
```

```
            self.r=self.r+20*d
```

```
        elif (c==2):
```

```
            d=int(input("Enter the quantity:"))
```

```
            self.r=self.r+10*d
```

```
        elif (c==3):
```

```
            d=int(input("Enter the quantity:"))
```

```
            self.r=self.r+90*d
```

```
elif (c==4):  
    d=int(input("Enter the quantity:"))  
    self.r=self.r+110*d
```

```
elif (c==5):  
    d=int(input("Enter the quantity:"))  
    self.r=self.r+150*d
```

```
elif (c==6):  
    break;  
else:  
    print("Invalid option")
```

```
print ("Total food Cost=Rs",self.r,"\n")
```

```
def laundrybill(self):  
    print ("*****LAUNDRY MENU*****")
```

```
    print  
    ("1.Shorts----->Rs3","2.Trousers----->Rs4","3.Shirt--->Rs  
5","4.Jeans---->Rs6","5.Girlsuit--->Rs8","6.Exit")
```

```
while (1):  
    #brought to you by code-projects.org
```

```
e=int(input("Enter your choice:"))

if (e==1):
    f=int(input("Enter the quantity:"))
    self.t=self.t+3*f

elif (e==2):
    f=int(input("Enter the quantity:"))
    self.t=self.t+4*f

elif (e==3):
    f=int(input("Enter the quantity:"))
    self.t=self.t+5*f

elif (e==4):
    f=int(input("Enter the quantity:"))
    self.t=self.t+6*f

elif (e==5):
    f=int(input("Enter the quantity:"))
    self.t=self.t+8*f
elif (e==6):
    break;
else:

    print ("Invalid option")
```



```
print ("Total Laundry Cost=Rs",self.t,"\n")
```

```
def gamebill(self):
```

```
    print ("*****GAME MENU*****")
```

```
    print ("1.Table
```

```
tennis----->Rs60","2.Bowling----->Rs80","3.Snooker--->R  
s70","4.Video
```

```
games---->Rs90","5.Pool--->Rs50==6","6.Exit")
```

```
while (1):
```

```
    g=int(input("Enter your choice:"))
```

```
    if (g==1):
```

```
        h=int(input("No. of hours:"))
```

```
        self.p=self.p+60*h
```

```
    elif (g==2):
```

```
        h=int(input("No. of hours:"))
```

```
self.p=self.p+80*h
```

```
elif (g==3):
```

```
h=int(input("No. of hours:"))
```

```
self.p=self.p+70*h
```

```
elif (g==4):
```

```
h=int(input("No. of hours:"))
```

```
self.p=self.p+90*h
```

```
elif (g==5):
```

```
h=int(input("No. of hours:"))
```

```
self.p=self.p+50*h
```

```
elif (g==6):
```

```
break;
```

```
else:
```

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

```
print ("Total Game Bill=Rs",self.p,"\n")
```

```
def display(self):
```

```
print ("*****HOTEL BILL*****")
```

```
print ("Customer details:")
print ("Customer name:",self.name)
print ("Customer address:",self.address)
print ("Check in date:",self.cindate)
print ("Check out date",self.coutdate)
print ("Room no.",self.rno)
print ("Your Room rent is:",self.s)
print ("Your Food bill is:",self.r)
print ("Your laundry bill is:",self.t)
print ("Your Game bill is:",self.p)

self.rt=self.s+self.t+self.p+self.r

print ("Your sub total bill is:",self.rt)
print ("Additional Service Charges is",self.a)
print ("Your grandtotal bill is:",self.rt+self.a,"\n")
self.rno+=1
```

```
def main():
```

```
a=hotelfarecal()
```

```
while (1):
```

```
    print("1.Enter Customer Data")
```

```
    print("2.Calculate roomrent")
```

```
    print("3.Calculate restaurant bill")
```

```
    print("4.Calculate laundry bill")
```

```
    print("5.Calculate gamebill")
```

```
    print("6.Show total cost")
```

```
    print("7.EXIT")
```

```
b=int(input("\nEnter your choice:"))
```

```
if (b==1):
```

```
    a.inputdata()
```

```
if (b==2):
```

```
    a.roomrent()
```

```
if (b==3):
```

```
    a.restaurentbill()
```

```
if (b==4):
```

```
    a.laundrybill()
```

```
if (b==5):
```

```
    a.gamebill()
```

```
if (b==6):
```

```
    a.display()
```

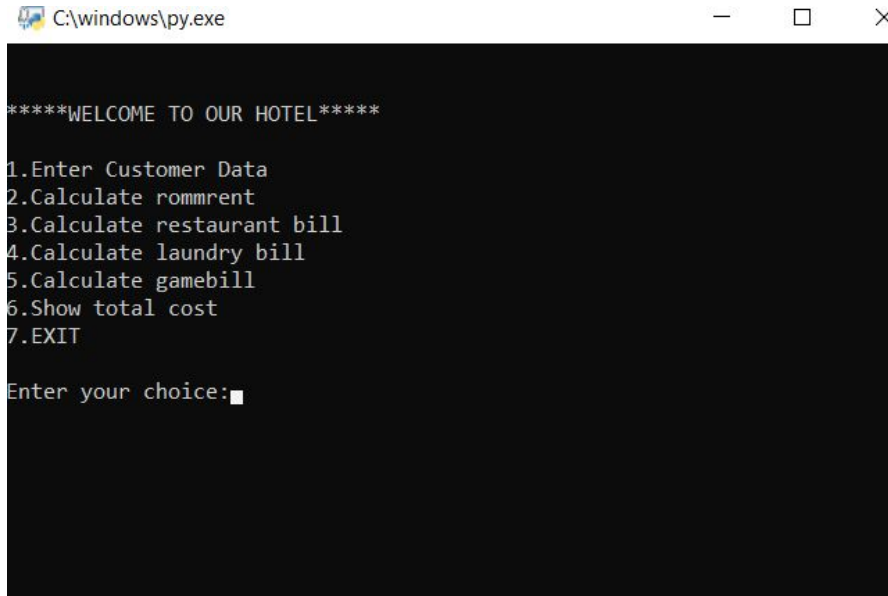
```
if (b==7):
```

```
    quit()
```

```
main()
```

# Project Outputs

## 1. Front layout



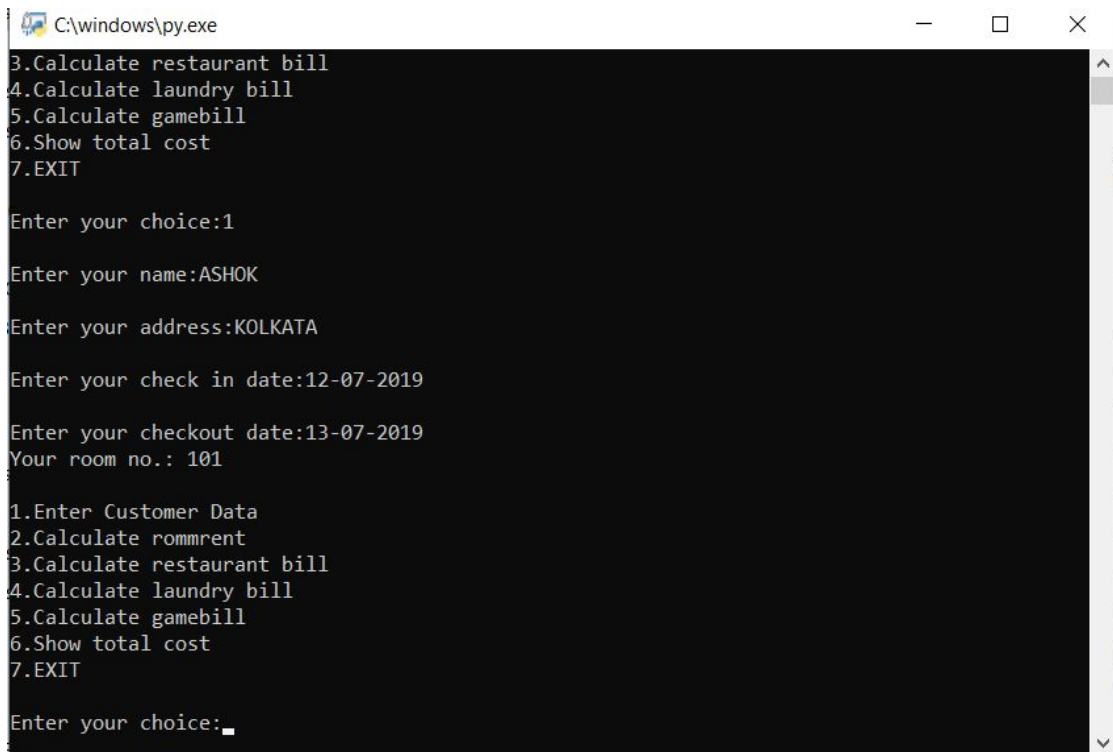
```
C:\windows\py.exe

*****WELCOME TO OUR HOTEL*****

1.Enter Customer Data
2.Calculate rommrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:█
```

## 2. For entering customer data



```
C:\windows\py.exe

3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:1

Enter your name:ASHOK

Enter your address:KOLKATA

Enter your check in date:12-07-2019

Enter your checkout date:13-07-2019
Your room no.: 101

1.Enter Customer Data
2.Calculate rommrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:█
```

### 3. To calculate room rent

```
C:\windows\py.exe
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:2
We have the following rooms for you:-
1. type A---->rs 6000 PN\
2. type B---->rs 5000 PN\
3. type C---->rs 4000 PN\
4. type D---->rs 3000 PN\
Enter Your Choice Please->3
For How Many Nights Did You Stay:3
you have opted room type C
your room rent is = 12000

1.Enter Customer Data
2.Calculate rommrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:
```

### 4. To calculate restaurant bill

```
C:\windows\py.exe
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:3
*****RESTAURANT MENU*****
1.water---->Rs20 2.tea---->Rs10 3.breakfast combo--->Rs90 4.lunch---->Rs110 5.dinner--->Rs150 6.Exit
Enter your choice:1
Enter the quantity:3
Enter your choice:2
Enter the quantity:1
Enter your choice:6
Total food Cost=Rs 70

1.Enter Customer Data
2.Calculate rommrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:
```

## 5. To calculate laundry bill

```
C:\windows\py.exe
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:4
*****LAUNDRY MENU*****
1.Shorts----->Rs3 2.Trousers----->Rs4 3.Shirt--->Rs5 4.Jeans----->Rs6 5.Girlsuit--->Rs8 6.Exit
Enter your choice:1
Enter the quantity:2
Enter your choice:4
Enter the quantity:6
Enter your choice:6
Total Laundry Cost=Rs 42

1.Enter Customer Data
2.Calculate rommrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:_
```

## 6. To calculate game bill

```
C:\windows\py.exe
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

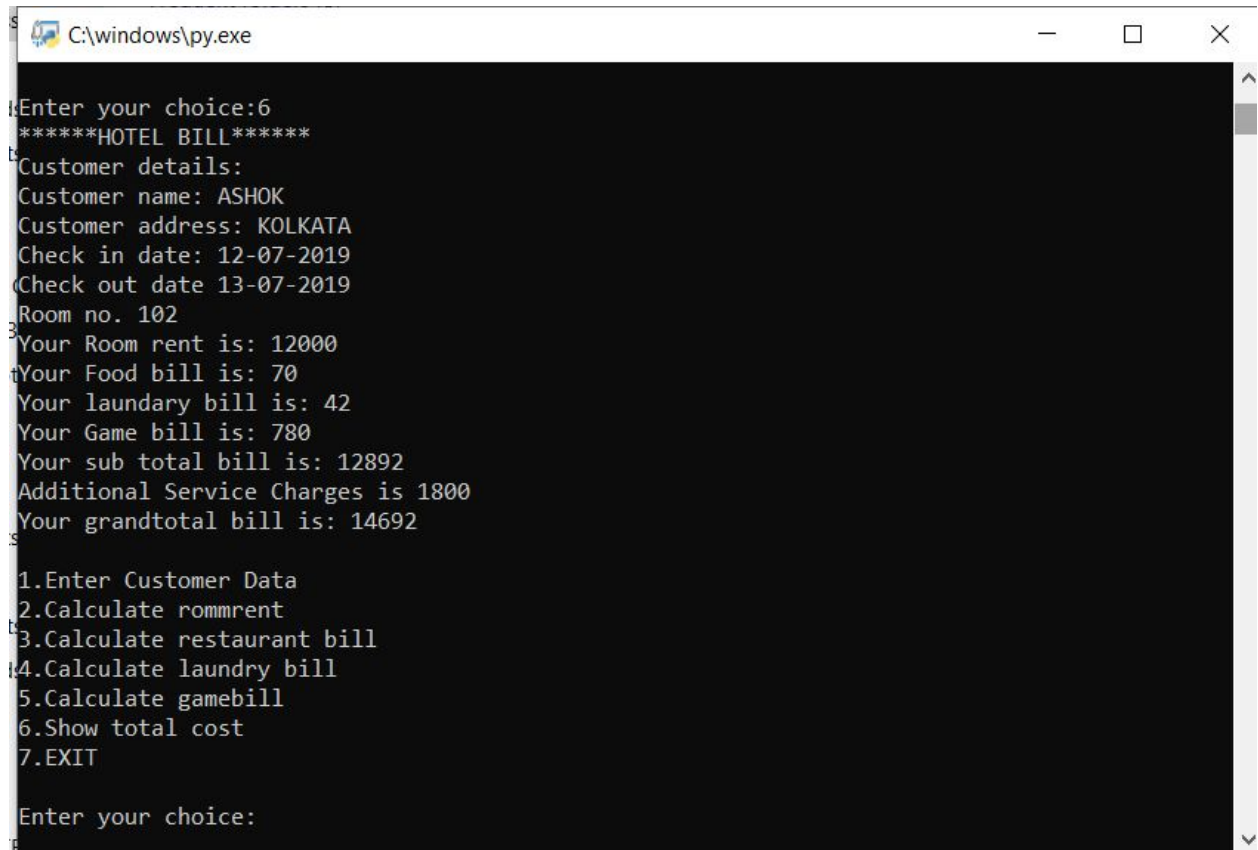
Enter your choice:5
*****GAME MENU*****
1.Table tennis----->Rs60 2.Bowling----->Rs80 3.Snooker--->Rs70 4.Video games----->Rs90 5.Pool--->Rs50==6 6.Exit
Enter your choice:1
No. of hours:8
Enter your choice:5
No. of hours:6
Enter your choice:6
Total Game Bill=Rs 780

1.Enter Customer Data
2.Calculate rommrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:
```



## 7. To show total cost for a person



A screenshot of a Windows command prompt window titled "C:\windows\py.exe". The window displays the output of a Python program. The program prompts the user to "Enter your choice:6". It then displays a "\*\*\*\*\*HOTEL BILL\*\*\*\*\*" header. Below this, it shows "Customer details:" followed by several lines of text: "Customer name: ASHOK", "Customer address: KOLKATA", "Check in date: 12-07-2019", "Check out date 13-07-2019", and "Room no. 102". The program then lists various bills: "Your Room rent is: 12000", "Your Food bill is: 70", "Your laundry bill is: 42", "Your Game bill is: 780", "Your sub total bill is: 12892", "Additional Service Charges is 1800", and "Your grandtotal bill is: 14692". At the bottom, a menu is displayed with options: "1.Enter Customer Data", "2.Calculate rommrent", "3.Calculate restaurant bill", "4.Calculate laundry bill", "5.Calculate gamebill", "6.Show total cost", and "7.EXIT". The prompt "Enter your choice:" is shown at the very bottom.

```
C:\windows\py.exe

Enter your choice:6
*****HOTEL BILL*****
Customer details:
Customer name: ASHOK
Customer address: KOLKATA
Check in date: 12-07-2019
Check out date 13-07-2019
Room no. 102
Your Room rent is: 12000
Your Food bill is: 70
Your laundry bill is: 42
Your Game bill is: 780
Your sub total bill is: 12892
Additional Service Charges is 1800
Your grandtotal bill is: 14692

1.Enter Customer Data
2.Calculate rommrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:
```