**CODING**

import os

import platform

import mysql.connector

import datetime

mydb=mysql.connector.connect(host="localhost",user="root",passwd="123",database="hotel")

mycursor=mydb.cursor()

def registercust():

L=[]

custno=int(input('Enter customer no='))

L.append(custno)

name=input('Enter name:')

L.append(name)

addr=input('Enter address:')

L.append(addr)

jr\_date=input('Enter date of journey:')

L.append(jr\_date)

source=input('Enter source:')

L.append(source)

destination=input('Enter destination:')

L.append(destination)

cust=(L)

sql='insert into pdata(custno,custname,addr,jrdate,source,destination) values(%s,%s,%s,%s,%s,%s)'

mycursor.execute(sql,cust)

mydb.commit()

def ticketprice():

L=[]

cno=int(input('Enter customer no='))

L.append(cno)

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

print('1. type First class--->rs 6000 PN\-')

print('2. type Business class--->rs 4000 PN\-')

print('3. type Economy class--->rs 2000 PN\-')

x=int(input('Enter your choice:'))

n=int(input('Enter No. of Passengers:'))

if x==1:

print('you have opted First class.')

s=6000\*n

L.append(s)

elif x==2:

print('you have opted Business class.')

s=4000\*n

L.append(s)

elif x==3:

print('you have opted Economy class.')

s=2000\*n

L.append(s)

else:

print('Please select a class type.')

print('your ticket charge is =',s,'\n')

print('Extra luggage charge 100 rs per kg')

y=int(input('Enter your weight,of extra luggage:'))

z=y\*100

L.append(z)

tkt=(L)

print('Your Totalbill:',s+z,'\n')

g\_tot=s+z

L.append(g\_tot)

sql="insert into tkt (custno,tkt\_tot,lug\_tot,g\_tot) values (%s,%s,%s,%s)"

mycursor.execute(sql,tkt)

mydb.commit()

def dis():

custno=int(input("Enter the customer number whose bill to be viewed : "))

sql="Select pdata.custno, pdata.custname, pdata.addr,pdata.source,pdata.destination,tkt.tkt\_tot,tkt.lug\_tot, g\_tot from pdata INNER JOIN tkt ON pdata.custno=tkt.custno and tkt.custno = %s"

rl=(custno,)

mycursor.execute(sql,rl)

res=mycursor.fetchall()

for x in res:

print(x)

def dispall():

sql="Select pdata.custno, pdata.custname, pdata.addr,pdata.source,pdata.destination,tkt.tkt\_tot,tkt.lug\_tot, g\_tot from pdata INNER JOIN tkt ON pdata.custno=tkt.custno"

mycursor.execute(sql)

res=mycursor.fetchall()

print("The Customer details are as follows : ")

for x in res:

print(x)

def Menuset():

print('Enter 1: To enter customer data.')

print('Enter 2: For ticketamount.')

print('Enter 3: Display customerwise Details.')

print('Enter 4: Display All Details.')

print('Enter 5: Exit')

userinput=int(input('Enter your choice:'))

if userinput==1:

registercust()

elif userinput==2:

ticketprice()

elif userinput==3:

dis()

elif userinput==4:

dispall()

elif userinput==5:

print('Program CLosed------------------')

quit()

else:

print('Enter correct choice.')

Menuset()

def runagain():

runagn=input('\nWant to run again? y/n:')

while runagn=='y':

if platform.system=='windows':

print(os.system('cls'))

else:

print(os.system('clear'))

Menuset()

runagn=input('\nWant to run again? y/n:')

runagain()