PROJECT ON HOTEL MANAGEMENT

BY

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DBMS : MYSQL
HOST: LOCAL HOST
USER:ROOT
PASSWORD :ROOT
DATABASE : HOTEL
TABLE STRUCTURE : AS GIVEN BELOW

Mysql commands

create database hotel;

use hotel;
create table custdata(custname varchar(20), addr varchar (30), indate varchar(10), outdate varchar(10));

create table roomtype (sno varchar(5), roomtype varchar(10), rent integer(10));
insert into roomtype values ('1', 'type A', 1000);
insert into roomtype values ('2', 'type B', 2000);
insert into roomtype values ('3', 'type C', 3000);
insert into roomtype values ('4', 'type D', 4000);

create table restaurent (sno integer(10), itemname varchar(10), rate integer(10));
insert into restaurent values(1,"tea",10);
insert into restaurent values(2,"coffee",10);
insert into restaurent values(3,"colddrink",20);
insert into restaurent values(4,"samosa",10);
insert into restaurent values(5,"sandwich",50);
insert into restaurent values(6,"Dhokla",30);
insert into restaurent values(7,"kachori",10);
insert into restaurent values(8,"milk",20);
insert into restaurent values(9,"noodles",50);
insert into restaurent values(10,"pasta",50);

create table laundry(sno integer(10), itemname varchar(10), rate integer(10));
insert into laundry values(1,"pant",10);
insert into laundry values(2,"shirt",10);
insert into laundry values(3,"suit",10);
insert into laundry values(4,"sari",10);
PYTHON CODE:

```python
import os
import platform
import mysql.connector
import pandas as pd
import datetime

global z
mydb = mysql.connector.connect(user='root', password='abha',
                                host='localhost',
                                database='hotel')
mycursor=mydb.cursor()

def registercust():
    L=[]
    name=input("enter name:"),
    L.append(name)
    addr=input("enter address:"),
    L.append(addr)
    indate=input("enter check in date:"),
    L.append(indate)
    outdate=input("enter check out date:"),
    L.append(outdate)
    cust=(L)
    sql="insert into custdata(name,addr,indate,outdate)values(%s,%s,%s,%s)"
    mycursor.execute(sql,cust)
    mydb.commit()

def roomtypeview():
    print("Do you want to see room type available : Enter 1 for yes :")
    ch=int(input("enter your choice:"))
    if ch==1:
        sql="select * from roomtype"
        mycursor.execute(sql)
        rows=mycursor.fetchall()
        for x in rows:
            print(x)

def roomrent():
    print ("We have the following rooms for you:"),
    print ("1. type A---->rs 1000 PN\n")
    print ("2. type B---->rs 2000 PN\n")
    print ("3. type C---->rs 3000 PN\n")
    print ("4. type D---->rs 4000 PN\n")
    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")
    s=1000*n
elif (x==2):
    print ("you have opted room type B")
    s=2000*n
elif (x==3):
    print ("you have opted room type C")
    s=3000*n
elif (x==4):
    print ("you have opted room type D")
    s=4000*n
else:
    print ("please choose a room")
    print ("your room rent is =",s,"
"
    def restaurentmenuview():
        print("Do you want to see mebu available : Enter 1 for yes ")
        ch=int(input("enter your choice:"))
        if ch==1:
            sql="select * from restaurent"
            mycursor.execute(sql)
            rows=mycursor.fetchall()
            for x in rows:
                print(x)

    def orderitem():
        global s
        print("Do you want to see mebu available : Enter 1 for yes :"
        ch=int(input("enter your choice:"))
        if ch==1:
            sql="select * from restaurent"
            mycursor.execute(sql)
            rows=mycursor.fetchall()
            for x in rows:
                print(x)
                print("do you want to purchase from above list:enter your choice:"))
        d=int(input("enter your choice:"))
        if(d==1):
            print("you have ordered tea")
            a=int(input("enter quantity"))
            s=10*a
            print("your amount for tea is :",s,"
")
        elif (d==2):
```python
print("you have ordered coffee")
a=int(input("enter quantity"))
s=10*a
print("your amount for coffee is ":s,"\n")
elif(d==3):
    print("you have ordered colddrink")
a=int(input("enter quantity"))
s=20*a
print("your amount for colddrink is ":s,"\n")
elif(d==4):
    print("you have ordered samosa")
a=int(input("enter quantity"))
s=10*a
print("your amount for samosa is ":s,"\n")
elif(d==5):
    print("you have ordered sandwich")
a=int(input("enter quantity"))
s=50*a
print("your amount for sandwich is ":s,"\n")
elif(d==6):
    print("you have ordered dhokla")
a=int(input("enter quantity"))
s=30*a
print("your amount for dhokla is ":s,"\n")
elif(d==7):
    print("you have ordered kachori")
a=int(input("enter quantity"))
s=10*a
print("your amount for kachori is ":s,"\n")
elif(d==8):
    print("you have ordered milk")
a=int(input("enter quantity"))
s=20*a
print("your amount for kachori is ":s,"\n")
elif(d==9):
    print("you have ordered noodles")
a=int(input("enter quantity"))
s=50*a
print("your amount for noodles is ":s,"\n")
elif(d==10):
    print("you have ordered pasta")
a=int(input("enter quantity"))
s=50*a
print("your amount for pasta is ":s,"\n")
```
else:
    Print("please enter your choice from the menu")

def laundrybill():
    global z
    print("Do you want to see rate for laundary : Enter 1 for yes :")
    ch=int(input("enter your choice:"))
    if ch==1:
        sql="select * from laundary"
        mycursor.execute(sql)
        rows=mycursor.fetchall()
        for x in rows:
            print(x)
        y=int(input("Enter Your number of clothes->"))
        z=y*10
        print("your laundary bill:",z,"\n")
        return z

def lb():
    print(z)

def res():
    print(s)

def viewbill():
    a=input("enter customer name:")
    print("customer name ",a,"\n")
    print("laundarey bill:")
    print(lb)
    print("restaurent bill:")
    print(res)

def Menuset():
    print("enter 1: To enter customer data")
    print("enter 2 : To view roomtype")
    print("enter 3 : for calculating room bill")
    print("enter 4 : for viewing restaurent menu")
    print("enter 5 : for restaurent bill")
    print("enter 6 :for laundry bill")
    print("enter 7 : for complete bill")
    print("enter 8 : for exit:")
    try:
        userinput=int(input("pleaseselect an above option:"))
    except ValueError:
        exit("\n hi thats not a number")

    userinput=int(input("enter your choice"))
    if(userinput==1):
registercust()
elif(userinput==2):
    roomtypeview()
elif(userinput==3):
    roomrent()
elif(userinput==4):
    restaurentmenuview()
elif(userinput==5):
    orderitem()
elif(userinput==6):
    laundrybill()
elif(userinput==7):
    viewbill()
elif(userinput==8):
    quit()
else:
    print("enter correct choice")
Menuset()
def runagain():
    runagn=input("\n want to run again y/n:")
    while(runagn.lower()=="y"):
        if(platform.system()=="windows"):
            print(os.system('cls'))
        else:
            print(os.system('clear'))
        Menuset()
        runagn=input("\n want to run again y/n:")
runagain()}
Python 3.6.3 (v3.6.3:98b4f74d1e, Jan 16 2017, 16:51:44) [MSC v.1900 32 bit (Intel)] on win32

>>

Values for rent:

1. 'A', 1000
2. 'B', 2000
3. 'C', 3000
4. 'D', 4000
5. for complete bill
6. for laundry bill
7. for room bill
8. for exit:

Do you want to see room type available? Enter 1 for yes:

Your choice:

1. 'A', 1000
2. 'B', 2000
3. 'C', 3000
4. 'D', 4000
5. for complete bill
6. for laundry bill
7. for room bill
8. for exit:

Please select an above option: 5

You have opted room type A

Your room rent is = 2000

want to run again y/n/y:

Your choice:

Do you want to see menu available? Enter 1 for yes:

Your choice:

1. 'tea', 10
2. 'coffee', 10
3. 'cold drink', 20
4. 'smoke', 20

want to run again y/n/y:
want to run again y/n/y

1: enter 1: To enter customer data
enter 2 : To view room type
enter 3 : for calculating room bill
enter 4 : for viewing restaurant menu
enter 5 : for restaurant bill
enter 6 : for laundry bill
enter 7 : for complete bill
enter 8 : for exit
please select an above option!

enter your choice:
Do you want to see menu available : Enter 1 for yes :
enter your choice: 1
1. 'tea', 10
2. 'coffee', 10
3. 'cold drink', 20
4. 'samosa', 10
5. 'sandwich', 50
6. 'Mocktail', 20
7. 'kachori', 10
8. 'milk', 20
9. 'noodles', 50
10. 'pasta', 50
do you want to purchase from above list: enter your choice:
enter your choice: 1
you have ordered tea
enter quantity: 2
your amount for tea is : 20

want to run again y/n/y
1
enter 2 : To view room type
enter 3 : for calculating room bill
enter 4 : for viewing restaurant menu
enter 5 : for restaurant bill
enter 6 : for laundry bill
enter 7 : for complete bill
enter 6 : for exit:
please select an above option:

Do you want to see rate for laundry : Enter 1 for yes:
enter your choice:
(1, 'pant', 10)
(2, 'shirt', 10)
(3, 'suit', 10)
(4, 'sari', 10)
Enter Your number of clothes->
your laundry bill: 50

want to run again y/n:y
1
enter 1: To enter customer data
enter 2 : To view room type
enter 3 : for calculating room bill
enter 4 : for viewing restaurant menu
enter 5 : for restaurant bill
enter 6 : for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
please select an above option:

enter customer name:
enter your choice:

laundry bill:
<function lb at 0x00CE2078>
restaurant bill:
<function res at 0x00CE20C0>

want to run again y/n:y
1