

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> use hotel
Database changed
mysql> show tables;
+-----+
| Tables_in_hotel |
+-----+
| custdata         |
| laundry          |
| restaurent       |
| roomtype         |
+-----+
4 rows in set (0.09 sec)

mysql> desc custdata;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| name  | varchar(10)   | YES  |     | NULL    |       |
| addr  | varchar(10)   | YES  |     | NULL    |       |
| indate| varchar(10)   | YES  |     | NULL    |       |
| outdate| varchar(10)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.29 sec)

mysql> desc laundry
-> ;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| sno   | int(10)       | YES  |     | NULL    |       |
| itemname| varchar(10)  | YES  |     | NULL    |       |
| rate  | int(10)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> desc restaurent;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| sno   | int(10)       | YES  |     | NULL    |       |
| itemname| varchar(10)  | YES  |     | NULL    |       |
| rate  | int(10)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> desc room type;
ERROR 1146 (42S02): Table 'hotel.room' doesn't exist
mysql> desc roomtype;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| sno   | varchar(5)    | YES  |     | NULL    |       |
| roomtype| varchar(10)  | YES  |     | NULL    |       |
| rent  | int(10)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

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 :

```
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\-" )
    print ("2. type B---->rs 2000 PN\-" )
    print ("3. type C---->rs 3000 PN\-" )
    print ("4. type D---->rs 4000 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")
    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,"\n")
def restaurentmenuview():
    print("Do you want to see menu 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 menu 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,"\n")
elif (d==2):

```

```
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 coldrink is :",s,"\n")
elif(d==4):
    print("you have ordered samosa")
    a=int(input("enter quantity"))
    s=10*a
    print("your amount fopr samosa is :",s,"\n")
elif(d==5):
    print("you have ordered sandwich")
    a=int(input("enter quantity"))
    s=50*a
    print("your amount fopr 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 yoy want to see rate for laundry : Enter 1 for yes :")
    ch=int(input("enter your choice:"))
    if ch==1:
        sql="select * from laundry"
        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 laundry 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()

```

OUTPUT

```
Python 3.5.3 (v3.5.3:1880cb95a742, Jan 16 2017, 15:51:26) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:\Users\santosh\AppData\Local\Programs\Python\Python35-32\con1.py
enter 1: To enter customer data
enter 2 : To view roomtype
enter 3 : for calculating room bill
enter 4 : for viewing restaurent menu
enter 5 : for restaurent bill
enter 6 :for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
pleaseselect an above option:2
enter your choice2
Do yoy want to see room type available : Enter 1 for yes :
enter your choice:1
('1', 'type A', 1000)
('2', 'type B', 2000)
('3', 'type C', 3000)
('4', 'type D', 4000)

want to run again y/n:y
1
enter 1: To enter customer data
enter 2 : To view roomtype
enter 3 : for calculating room bill
enter 4 : for viewing restaurent menu
enter 5 : for restaurent bill
enter 6 :for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
pleaseselect an above option:3
enter your choice1
enter name:a
enter address:aa
enter check in date:12.12.2018
enter check out date:13.12.2018

want to run again y/n:y
1
enter 1: To enter customer data
enter 2 : To view roomtype
```

```

want to run again y/n:y
1
enter 1: To enter customer data
enter 2 : To view roomtype
enter 3 : for calculating room bill
enter 4 : for viewing restaurent menu
enter 5 : for restaurent bill
enter 6 :for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
pleaseselect an above option:3
enter your choice3
We have the following rooms for you:-
1. type A---->rs 1000 PN\
2. type B---->rs 2000 PN\
3. type C---->rs 3000 PN\
4. type D---->rs 4000 PN\
Enter Your Choice Please->1
For How Many Nights Did You Stay:2
you have opted room type A
your room rent is = 2000
```

```

want to run again y/n:y
1
enter 1: To enter customer data
enter 2 : To view roomtype
enter 3 : for calculating room bill
enter 4 : for viewing restaurent menu
enter 5 : for restaurent bill
enter 6 :for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
pleaseselect an above option:4
enter your choice4
Do yoy want to see mebu available : Enter 1 for yes :
enter your choice:1
(1, 'tea', 10)
(2, 'coffee', 10)
(3, 'colddrink', 20)
(4, 'samosa', 10)
```



```
(3, 'colddrink', 20)
(4, 'samosa', 10)
(5, 'sandwich', 50)
(6, 'Dhokla', 30)
(7, 'kachori', 10)
(8, 'milk', 20)
(9, 'noodles', 50)
(10, 'pasta', 50)

want to run again y/n:y
1
enter 1: To enter customer data
enter 2 : To view roomtype
enter 3 : for calculating room bill
enter 4 : for viewing restaurent menu
enter 5 : for restaurent bill
enter 6 :for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
pleaseselect an above option:5
enter your choice5
Do yoy want to see mebu available : Enter 1 for yes :
enter your choice:1
(1, 'tea', 10)
(2, 'coffee', 10)
(3, 'colddrink', 20)
(4, 'samosa', 10)
(5, 'sandwich', 50)
(6, 'Dhokla', 30)
(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 quantity2
your amount for tea is : 20

want to run again y/n:y
1
```

```
enter 2 : To view roomtype
enter 3 : for calculating room bill
enter 4 : for viewing restaurent menu
enter 5 : for restaurent bill
enter 6 :for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
pleaseselect an above option:6
enter your choice6
Do yoy want to see rate for laundry : Enter 1 for yes :
enter your choice:1
(1, 'pant', 10)
(2, 'shirt', 10)
(3, 'suit', 10)
(4, 'sari', 10)
Enter Your number of clothes->5
your laundry bill: 50

    want to run again y/n:y
1
enter 1: To enter customer data
enter 2 : To view roomtype
enter 3 : for calculating room bill
enter 4 : for viewing restaurent menu
enter 5 : for restaurent bill
enter 6 :for laundry bill
enter 7 : for complete bill
enter 8 : for exit:
pleaseselect an above option:7
enter your choice7
enter customer name:aa
customer name : aa

laundarey bill:
<function lb at 0x09CB2078>|
restaurent bill:
<function res at 0x09CB20C0>

    want to run again y/n:y
1
enter 1: To enter customer data
```
