



COMPUTER SCIENCE INVESTIGATORY FILE

TOPIC:- HOTEL MANAGEMENT

SUBMITTED TO:-

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THE TAJ HOTEL HOTEL MANAGEMENT

ABSTRACT:

The ultimate motto of this project is to help the travelers to get all the info about rooms Prices, room's availability, food and other necessary information for hotel room booking. This project helps the users to carry this task online easily.

CERTIFICATE

THIS IS TO CERTIFY THAT **DEEPAK SINGH**, A STUDENT OF CLASSXII-B IS SUCCESSFULLY COMPLETED THAT PROJECT TITLED “**HOTEL MANAGEMENT**” UNDER THE GUIDANCE OF **MRS. SANGEETA M. CHAUHAN** (SUBJECT TEACHER) DURING THE ACADEMIC YEAR 2019-20 IN PARTIAL FULFILLMENT OF COMPUTER SCIENCE PRACTICAL EXAMINATION CONDUCTED BY CENTRAL BOARD OF SECONDARY EDUCATION.

SIGNATURE

EXTERNAL EXAMINER

SIGNATURE

INTERNAL EXAMINER

SIGNATURE OF PRINCIPAL

ACKNOWLEDGMENT

IN THE ACCOMPLISHMENT OF THIS PROJECT SUCCESSFULLY, MANY PEOPLE HAVE BEST OWNED UPON ME THEIR BLESSINGS AND THE HEART PLEDGE SUPPORT, THIS TIME I AM UTILIZING TO THANK ALL THE PEOPLE WHO HAVE BEEN CONCERNED WITH PROJECT.

PRIMARILY I WOULD THANK GOD FOR BEING ABLE TO COMPLETE THIS PROJECT SUCCESS. THEN I WOULD LIKE TO THANK MY PRINCIPAL **MR. RAGHVENDRA LALSATANIA** AND COMPUTER SCIENCE TEACHER **MRS. SANGEETA M. CHAUHAN** WHOSE VALUABLE GUIDANCE HAS BEEN ONES THAT HELPED ME PATCH PROJECT AND MAKE IT FULL PROOF SUCCESS HIS SUGGESTION AND HIS INSTRUCTION HAS SERVE AS THE MAJOR CONTRIBUTION TOWARDS THE COMPLETION OF THE PROJECT.

THEN I WOULD LIKE TO THANK MY PARENTS AND FRIENDS WHO HAVE HELPED ME WITH THEIR VALUABLE SUGGESTION AND GUIDANCE HAS BEEN HELPFUL IN VARIOUS PHASES OF THE COMPLETION OF THE PROJECT.

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INTRODUCTION

My project on “**HOTEL MANAGEMENT**” gives idea about the management in hotels. The package gives all the information regarding the check in or check out facilities of customer. The customer can made his or her booking for rooms and food etc. It gives details of the customer and the time of arrival and departure of customer. The package also provides the facility of searching the customer or employee working in that particular hotel by name/by provided Id. It gives a detailed report of the customer and the room occupied by him/her. This software is very useful to the departments for managing their activities.

Although, hotels are already having well-developed software for information management. We just want to study how this is done. So, I selected hotel management system as my project. I visited various hotels and gone through their software. In most of the hotel the back-end used only MS-ACCESS. But I included SQL in my since it is pure relational database. In one of hotel, I found that they have problem that software does not show the room vacant as soon as it being vacant. The status of room is updated only after 12 hours or 24 hours depending upon the time period the have taken. They were facing problem in providing and at any moment of time the status of room that whether it is vacant or occupied is shown correctly.

CODING
CODING
CODING

```
#                               Creating Database and Table
#                               *****
```

```
import mysql.connector
db=mysql.connector.connect(host='localhost',user='root',password='deepak')
mycursor=db.cursor()
mycursor.execute('create database if not exists HOTEL_MANAGEMENT')
```

```
db=mysql.connector.connect(host='localhost',user='root',password='deepak',database=
'HOTEL_MANAGEMENT')
mycursor=db.cursor()
```

```
mycursor.execute("create table if not exists hoteldata(Ccode int(5) primary key,Cname\
varchar(20),Cadd varchar(20),Cindate varchar(5),Coutdate varchar(5),Room_no varchar(5),\
Room_rent varchar(10),Food_bill varchar(10) default '00',Laudry_bill varchar(10) default\
'00',Game_bill varchar(10) default '00',SubTotal_bill varchar(10),Add_charges varchar(10)\
default '1800',GrandTotal_bill varchar(10))") :
```

```
mycursor.execute("insert into hoteldata values(25,'Deepak','Morar,Gwalior',25,26,\
1000, 6000,150,10,180,6340,1800,8140)")
```

```
mycursor.execute("insert into hoteldata values(26,'Amit','Morar,Gwalior',5,8,1017,\
10000,5,0,50,10155,1800,11955)")
```

```
mycursor.execute("insert into hoteldata values(27,'Anuj','New Delhi',12,20,1407,\
000,130,7,80,4217,1800,6017)")
```

```
mycursor.execute("insert into hoteldata values(28,'Kunal','Morar,Gwalior',5,8,1405,\
9000,20,0,90,9110,1800,10910)")
```

```
mycursor.execute("insert into hoteldata values(29,'Smith','Canada',23,30,1008,\
3000,20,5,50,30075,1800,31875)")
```

```
mycursor.execute("insert into hoteldata values(30,'Alex','America',25,30,1012,\
3000,30,6,0,30036,1800,31836)")
```



```
mycursor.execute("create table if not exists Room(Rooms varchar(10),Type varchar(45),\Charges int(7),Features varchar(90),Occupancy int(45))") :
```

```
mycursor.execute("insert into Room values('1-500','Duplex',6000,'Two rooms on\same floor connected by common stairs',5)")
```

```
mycursor.execute("insert into Room values('501-1000','Cabana',5000,'Faces water\body,beach or a swimming pool',3)")
```

```
mycursor.execute("insert into Room values('1001-1500','Lanai',4000,'This room faces\a landscape, a waterfall, or a garden',4)")
```

```
mycursor.execute("insert into Room values('1501-2000','Suit',3000, 'It is composed of\one or more bedrooms, a living room, and a dining area',12)")
```

```
mycursor.execute("create table if not exists Customer(Ccode int(5),Cid_type varchar\ (20),Cid_no varchar(15) primary key , Cname varchar(15), Ccontact_no varchar(15),Cadd\ varchar(20),Cindate varchar(5), Coutdate varchar(5), CNationality varchar(10))") :
```

```
mycursor.execute("insert into Customer values(25,'Aadhaar card',412563578952,\ 'Deepak',8269513294,'Morar,Gwalior',25,26,'Indian' )")
```

```
mycursor.execute("insert into Customer values(26,'Pan card', 5874695325,'Amit',\ 9063560847,'Morar,Gwalior',5,8,'Indian')")
```

```
mycursor.execute("insert into Customer values(27,'Pan card', 8456958236, 'Anuj',\ 9770563593,'New Delhi',12,20,'Indian')")
```

```
mycursor.execute("insert into Customer values(28,'Service Id',8546952156,'Kunal',\ 4856985123,'Morar,Gwalior',5,8,'Indian')")
```

```
mycursor.execute("insert into Customer values(29,'Voter Id Card',45896244,'Smith',\ 6598541256,'Canada',23,30,'Canadian')")
```

```
mycursor.execute("insert into Customer values(30,'Aadhaar card',485962578545,\ 'Alex',6325489652,'America',25,30,'American')")
```

```
db.commit()
```

```

def speciality():
    db=mysql.connector.connect(host='localhost',user='root',password='deepak',database=
        'HOTEL_MANAGEMENT')
    mycursor=db.cursor()

    qry=("select * from room")
    mycursor.execute(qry)

    print("\nDESCRIPTION:")
    print("The Taj Mahal Palace, Mumbai makes a wonderful starting point from which to\
discover the charms that bring people from around the globe flocking to Mumbai city,\
India's commercial and entertainment capital. Around the corner from the hotel is Colaba\
Causeway - a vibrant stretch filled with roadside stores, jewellery shops, pubs and\
restaurants that whisks guests back in time to old Bombay. Take a tour of and learn about\
the rich history and architecture of this vibrant city, accompanied by Government of India\
appointed and trained tourism officials.Walk past Gothic buildings and through narrow\
streets.Visit historic locations such as Wellington Fountain, Regal Cinema, Indian Merchant\
Building, Asiatic Library, CSMVS Museum, Jehangir Art Gallery, Elphinstone College and\
other prominent buildings in varying styles of architecture, each symbolic of a particular\
period of Bombay's social and commercial history.\n")

    for (Rooms,Type,Charges,Features,Occupancy) in mycursor:
        print("We have Rooms",Rooms,"of type",Type,"it has",Features,"and occupancy\
of",Occupancy,"persons.")

    db.commit()

    print("SERVICES:")
    print("For the disabled, Breakfast, Restaurant, Adsl wi-fi internet, Fax, Newspapers,\
Transfer, Tourist information, Small animals welcome, Private parking,Guarded garage,\
24h reception, 24h bar, Beaches at 500 m, Shuttle bus stop for the airport only 10 minutes\
away.\n")
    print("FACILITIES:")
    print("ReceptionHall, Bar, Pool 10.00 a.m. – 6.00 p.m.\n")

    print("BOOKING:")
    print("Excursions, Guided tours, Private parties")
    mycursor.close()
    db.close()

```

```
#                               Function, hotel fare calculator
#                               *****
```

```
def hotelfarecal():
```

```
    while True :
```

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

```
        print("~~~~~")
```

```
        print("1.Booking for Room")
```

```
        print("2.Show Customer Record")
```

```
        print("3.Search Customer Record")
```

```
        print("4.Delete Customer Record")
```

```
        print("5.Update Customer Record")
```

```
        print("6.Return to Main Menu")
```

```
        print("~~~~~")
```

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

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

```
            z='y'
```

```
            while (z=='y'):
```

```
                inputdata()
```

```
                z=input("\nDo you want to continue..(y/n):")
```

```
            if (z=='n'):
```

```
                return hotelfarecal()
```

```
            else :
```

```
                print("Invalid Input!!")
```

```
                z=input("\nDo you want to continue..(y/n):")
```

```
elif (b=='2'):
```

```
    z='y'
```

```
    while z=='y':
```

```
        display()
```

```
        z=input("\nDo you want to continue..(y/n):")
```

```
    if (z=='n'):
```

```
        return hotelfarecal()
```

```
    else :
```

```
        print("Invalid Input!!")
```

```
        z=input("\nDo you want to continue..(y/n):")
```

```
elif (b=='3'):
```

```
    z='y'
```

```
    while (z=='y'):
```

```
        search()
```

```
        z=input("\nDo you want to continue..(y/n):")
```

```
    if (z=='n'):
```

```
        return hotelfarecal()
```

```
    else :
```

```
        print("Invalid Input!!")
```

```
        z=input("\nDo you want to continue..(y/n):")
```

```
elif (b=='4'):
```

```
    z='y'
```

```
    while (z=='y'):
```

```
        delete()

        z=input("\nDo you want to continue..(y/n):")

if (z=='n'):
    return hotelfarecal()
else :
    print("Invalid Input!!")
    z=input("\nDo you want to continue..(y/n):")

elif (b=='5'):
    z='y'
    while (z=='y'):
        update()
        z=input("\nDo you want to continue..(y/n):")
    if (z=='n'):
        return hotelfarecal()
    else :
        print("Invalid Input!!")
        z=input("\nDo you want to continue..(y/n):")

elif (b=='6'):

    break

else:
    print("Invalid Input.....")
```

```
#  
#
```

Inserting data

```
*****
```

```
import mysql.connector
```

```
import random
```

```
def inputdata():
```

```
    r=0
```

```
    l=0
```

```
    p=0
```

```
    s=0
```

```
    db=mysql.connector.connect(host='localhost',user='root',password='deepak',database=  
    'HOTEL_MANAGEMENT')
```

```
    mycursor=db.cursor()
```

```
    Ccode=input("\nEnter Customer Code:")
```

```
    Cname=input("Enter Customer Name:")
```

```
    Cadd=input("Enter Customer Address:")
```

```
    Cindate=input("Enter Customer Check in Date:")
```

```
    Coutdate=input("Enter Customer Check out Date:")
```

```
    Cid_type=input("Enter your Identity card name:")
```

```
    Cid_no=input("Enter your Identity number:")
```

```
    Ccontact_no=input("Enter you Contact number:")
```

```
    CNationality=input("Enter your nationality:")
```

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

```
#                               Choose Room for rent
#                               *****
```

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

```
print ("1. Duplex---->Rs 6000 PN\-" )
```

```
print ("2. Cabana---->Rs 5000 PN\-" )
```

```
print ("3. Lanai---->Rs 4000 PN\-" )
```

```
print ("4. Suit---->Rs 3000 PN\-" )
```

```
print ("5. Mini---->RS 2000 PN\-" )
```

```
print ("6. Next")
```

```
while (1):
```

```
    x=int(input("\nEnter you choice:"))
```

```
    if (x==1):
```

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

```
        print ("You have opted room Duplex")
```

```
        s=s+6000*n
```

```
        Room_no= random.randint(1,501)
```

```
        print("Your Room Number is:",Room_no)
```

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

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

```
        print ("You have opted room Cabana")
```

```
        s=s+5000*n
```

```
        Room_no= random.randint(501,1001)
```

```
        print("Your Room Number is:",Room_no)
```

elif (x==3):

```
n=int(input("For How Many Nights Did You Stay:"))
print ("You have opted room Lanai")
s=s+4000*n
Room_no= random.randint(1001,1501)
print("Your Room Number is:",Room_no)
```

elif (x==4):

```
n=int(input("For How Many Nights Did You Stay:"))
print ("You have opted room Suit")
s=s+3000*n
Room_no= random.randint(1501,2001)
print("Your Room Number is:",Room_no)
```

elif (x==5):

```
n=int(input("For How Many Nights Did You Stay:"))
print ("You have opted room Cabana")
s=s+5000*n
Room_no= random.randint(2001,2501)
print("Your Room Number is:",Room_no)
```

elif (x==6) :

```
break
```

else:

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

```
print ("\nYour room rent is",s,'RS')
```



```

#                               Choose Restaurant Menu
#                               *****

print("\n")

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

print("1.water----->Rs20", "2.tea----->Rs10", "3.breakfast combo--->Rs90", "4.lunch---->\
Rs110", "5.dinner--->Rs150", "6.Next")
while (1):
    c=int(input("\nEnter your choice:"))

    if (c==1):
        d=int(input("Enter the quantity:"))
        r=r+20*d

    elif (c==2):
        d=int(input("Enter the quantity:"))
        r=r+10*d

    elif (c==3):
        d=int(input("Enter the quantity:"))
        r=r+90*d

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

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

    elif (c==6):
        break

    else:
        print("Invalid option")
print ("\nTotal food Cost=Rs ",r)

```

```

#                               Choose Laundry Menu
#                               *****

print ("\n")
print ("*****LAUNDRY MENU*****")
print ("1.Shorts----->Rs3", "2.Trousers----->Rs4", "3.Shirt--->Rs5", "4.Jeans----->Rs6", \
"5.Girlsuit--->Rs8", "6.Next")
while (1):
    e=int(input("\nEnter your choice:"))
    if (e==1):
        f=int(input("Enter the quantity:"))
        l=l+3*f
    elif (e==2):
        f=int(input("Enter the quantity:"))
        l=l+4*f
    elif (e==3):
        f=int(input("Enter the quantity:"))
        l=l+5*f
    elif (e==4):
        f=int(input("Enter the quantity:"))
        l=l+5*f
    elif (e==5):
        f=int(input("Enter the quantity:"))
        l=l+6*f
    elif (e==6):
        break
    else:
        print ("Invalid option")
print ("\nTotal Laundry Cost=Rs",l)

```

```

#                                     Choose Game Menu
#                                     *****

print ("\n")

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

print ("1.Table tennis---->Rs60","2.Bowling---->Rs80","3.Snooker--->Rs70","4.Video\
games---->Rs90","5.Pool--->Rs50==6","6.Next")

while (1):

    g=int(input("\nEnter your choice:"))
    if (g==1):
        h=int(input("No. of hours:"))
        p=p+60*h
    elif (g==2):
        h=int(input("No. of hours:"))
        p=p+80*h
    elif (g==3):
        h=int(input("No. of hours:"))
        p=p+70*h
    elif (g==4):
        h=int(input("No. of hours:"))
        p=p+90*h
    elif (g==5):
        h=int(input("No. of hours:"))
        p=p+50*h
    elif (g==6):
        break
    else:
        print ("Invalid option")
print ("\nTotal Game Bill=Rs",p)

```

```

#           Calculating Sub Total Bill,Additional Charges and Grand Total Bill
# *****

SubTotal_bill=s+r+l+p
Add_charges=1800
Room_rent=s
Game_bill=p
Food_bill=r
Laudry_bill=l
GrandTotal_bill=SubTotal_bill+Add_charges
print("\nYou have to pay Rs",GrandTotal_bill)

rec=("insert into hoteldata values(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)")

cotm=("insert into customer values(%s,%s,%s,%s,%s,%s,%s,%s,%s)")

data1=(Ccode,Cid_type,Cid_no,Cname,Ccontact_no,Cadd,Cindate,Coutdate,CNationality)

data2=(Ccode,Cname,Cadd,Cindate,Coutdate,Room_no,Room_rent,Food_bill,Laudry_bill,
       Game_bill,SubTotal_bill,Add_charges,GrandTotal_bill)

mycursor.execute(cotm,data1)
mycursor.execute(rec,data2)
db.commit()
mycursor.close()
print("\nRecord Inserted.....")
db.close()

```

```

#                                     Show Details of Customer
#                                     *****

def display():
    print("\n")
    print("1.Display all records")
    print("2.Display through code number")
    d=input("\nEnter your choice:")
    if (d=='1'):
        db=mysql.connector.connect(host='localhost',user='root',password='deepak',
        database= 'HOTEL_MANAGEMENT')
        mycursor=db.cursor()
        qry=("select h.Ccode,h.Cname,h.Cadd,h.Cindate,h.Coutdate,h.Room_no,\
        c.CNationality, c.Ccontact_no,c.Cid_type,c.Cid_no from hoteldata h, customer c\
        where h.Ccode=c.Ccode")
        mycursor.execute(qry)
        for(Ccode,Cname,Cadd,Cindate,Coutdate,Room_no,CNationality, Ccontact_no,
        Cid_type,Cid_no) in mycursor:
            print ("\n")
                print ("Customer details.....")
                print ("Customer code:",Ccode)
                print ("Customer name:",Cname)
                print ("Customer Id type:",Cid_type)
                print ("Customer Id Number:",Cid_no)
                print ("Customer address:",Cadd)
                print ("customer Nationality:",CNationality)
                print ("Check in date:",Cindate)
                print ("Check out date",Coutdate)
                print ("Room number:",Room_no)
                print ("Customer Contact number:",Ccontact_no)
                print ("_____")
        mycursor.close()
    print("\nIt's All record")
    db.close()

```

```

elif (d=='2'):
    db=mysql.connector.connect(host='localhost',user='root',password='deepak',
    database='HOTEL_MANAGEMENT')
    mycursor=db.cursor()
    Ccode=input("\nEnter code of customer:")
    qry=("select h.Ccode,h.Cname,h.Cadd,h.Cindate,h.Coutdate,h.Room_no,\
    c.CNationality,c.Ccontact_no,c.Cid_type,c.Cid_no from hoteldata h, customer c\
    where h.Ccode=c.Ccode and h.Ccode=%s")
    rec_code=(Ccode,)
    mycursor.execute(qry,rec_code)
    rec_count=0
    for(Ccode,Cname,Cadd,Cindate,Coutdate,Room_no,CNationality,Ccontact_no,
    Cid_type,Cid_no) in mycursor:
        rec_count+=1
        print ("\nRecord Found.....")
        print ("Customer details.....")
        print ("Customer code:",Ccode)
        print ("Customer name:",Cname)
        print ("Customer Id type:",Cid_type)
        print ("Customer Id Number:",Cid_no)
        print ("Customer address:",Cadd)
        print ("customer Nationality:",CNationality)
        print ("Check in date:",Cindate)
        print ("Check out date",Coutdate)
        print ("Room number:",Room_no)
        print ("Customer Contact number:",Ccontact_no)

    if (rec_count==0):
        print("\nRecord not found!!")
        db.commit()
        mycursor.close()
        db.close()

else :
    print("Invalid Input!!")

```

```

#                                     Search Customer
#                                     *****

def search():
    db=mysql.connector.connect(host='localhost',user='root',password='deepak',database=
'HOTEL_MANAGEMENT')
    mycursor=db.cursor()

    Ccode=input("\nEnter Customer Code to be Searched in Hotel:")
    qry=("select * from hoteldata where Ccode=%s")
    rec_srch=(Ccode,)
    mycursor.execute(qry,rec_srch)
    rec_count=0
    for(Ccode,Cname,Cadd,Cindate,Coutdate,Room_no,Room_rent,Food_bill,Laudry_bill,
Game_bill,SubTotal_bill,Add_charges,GrandTotal_bill) in mycursor:
        rec_count+=1
        print ('\nRecord Found')
        print ("Customer details.....")
        print ("Customer code:",Ccode)
        print ("Customer name:",Cname)
        print ("Customer address:",Cadd)
        print ("Check in date:",Cindate)
        print ("Check out date",Coutdate)
        print ("Room number:",Room_no)
        print ("Room rent is:",Room_rent)
        print ("Food bill is:",Food_bill)
        print ("Laundry bill is:",Laudry_bill)
        print ("Game bill is:",Game_bill)
        print ("Sub total bill is:",SubTotal_bill)
        print ("Additional Service Charges is:",Add_charges)
        print ("Grand Total bill is:",GrandTotal_bill)
    if (rec_count==0):
        print("\nRecord not found!!")
        db.commit()
        mycursor.close()
        db.close()

```

```
#  
#
```

```
Delete Customer  
*****
```

```
def delete():  
    db=mysql.connector.connect(host='localhost',user='root',password='deepak',database=  
    'HOTEL_MANAGEMENT')  
    mycursor=db.cursor()  
    Ccode=input("\nEnter Customer Code to be delete from Hotel:")  
    qry=("delete from hoteldata where Ccode=%s")  
    qry1=("delete from customer where Ccode=%s")  
    del_rec=(Ccode,)  
    mycursor.execute(qry,del_rec)  
    mycursor.execute(qry1,del_rec)  
    rec_count=0  
    for Ccode in mycursor:  
        rec_count+=1  
        print("\nRecord Deleted.....")  
    if rec_count==0:  
        print("\nRecord not Found!!")  
        print("Enter valid data")  
    db.commit()  
    mycursor.close()  
    db.close()
```



```
# Update Customer
# *****
```

```
def update():
    print("\nWhich Data Should be Updated.....")
    print("1.Customer Name:")
    print("2.Customer Address")
    print("3.Customer out Date")
    print("4.Customer Room Number")
    print("5.Customer Contact number")
    c=int(input("\nSelect your Choice:"))

    if (c==1):
        db=mysql.connector.connect(host='localhost',user='root',password='deepak',
        database='HOTEL_MANAGEMENT')
        mycursor=db.cursor()

        Ccode=input('\nEnter Code of Customer to be Updated:')
        qry=('select * from hoteldata where Ccode=%s')
        Cname=input("Enter Customer Name:")
        q=('update hoteldata set Cname=%s where Ccode=%s')
        data=(Cname,Ccode)
        mycursor.execute(q,data)
        q=('update customer set Cname=%s where Ccode=%s')
        data=(Cname,Ccode)
        mycursor.execute(q,data)
        print('\nRecord Updated.....')
        db.commit()
        mycursor.close()
        db.close()
```

elif (c==2):

```
db=mysql.connector.connect(host='localhost',user='root',password='deepak',
database='HOTEL_MANAGEMENT')

mycursor=db.cursor()
Ccode=int(input("\nEnter Code of Customer to be Updated:"))
qry=('select * from hoteldata where Ccode=%s')
Cadd=input("Enter Customer Address:")
q=('update hoteldata set Cadd=%s where Ccode=%s')
data=(Cadd,Ccode)
mycursor.execute(q,data)
q=('update customer set Cadd=%s where Ccode=%s')
data=(Cadd,Ccode)
mycursor.execute(q,data)
print("\nRecord Updated.....')
db.commit()
mycursor.close()
db.close()
```

elif (c==3):

```
db=mysql.connector.connect(host='localhost',user='root',password='deepak',
database='HOTEL_MANAGEMENT')

mycursor=db.cursor()
Ccode=int(input("\nEnter Code of Customer to be Updated:"))
qry=('select * from hoteldata where Ccode=%s')
Cindate=input("Enter Customer in Date:")
```

```
q=('update hoteldata set Cindate=%s where Ccode=%s')
data=(Cindate,Ccode)
mycursor.execute(q,data)
q=('update customer set Cindate=%s where Ccode=%s')
data=(Cindate,Ccode)
mycursor.execute(q,data)
print('\nRecord Updated.....')
db.commit()
mycursor.close()
db.close()
```

elif (c==4):

```
db=mysql.connector.connect(host='localhost',user='root',password='deepak',
database='HOTEL_MANAGEMENT')

mycursor=db.cursor()
Ccode=int(input('\nEnter Code of Customer to be Updated:'))
qry=('select * from hoteldata where Ccode=%s')
Coutdate=input("Enter Customer out Date:")
q=('update hoteldata set Coutdate=%s where Ccode=%s')
data=(Coutdate,Ccode)
mycursor.execute(q,data)
q=('update customer set Coutdate=%s where Ccode=%s')
data=(Coutdate,Ccode)
mycursor.execute(q,data)
print('\nRecord Updated.....')
```

```
db.commit()
mycursor.close()
db.close()
```

```
elif (c==5):
```

```
    db=mysql.connector.connect(host='localhost',user='root',password='deepak',
    database='HOTEL_MANAGEMENT')
```

```
    mycursor=db.cursor()
```

```
    Ccode=int(input("\nEnter Code of Customer to be Updated:"))
```

```
    qry=('select * from customer where Ccode=%s')
```

```
    Ccontact_no=input("Enter Customer Contact number:")
```

```
    q=('update customer set Ccontact_no=%s where Ccode=%s')
```

```
    data=(Ccontact_no,Ccode)
```

```
    mycursor.execute(q,data)
```

```
    print("\nRecord Updated.....')
```

```
    db.commit()
```

```
    mycursor.close()
```

```
    db.close()
```

```
else :
```

```
    print("Invalid Input!!")
```


SCREENSHOTS

SCREENSHOTS

➤ Main screen of Hotel Mangemnet

```
C:\Windows\py.exe
===== WELCOME TO THE TAJ PALACE =====
1.Speciality of your Hotel
2.Customer Management
3.Booking for Private Party
4.EXIT
Enter your choice:
```

➤ Speciality of Hotel

```
C:\Windows\py.exe
===== WELCOME TO THE TAJ PALACE =====
1.Speciality of your Hotel
2.Customer Management
3.Booking for Private Party
4.EXIT
Enter your choice:1
DESCRIPTION:
The Taj Mahal Palace, Mumbai makes a wonderful starting point from which to discover the charms that bring people from around the globe flocking to Mumbai city, India's commercial and entertainment capital. Around the corner from the hotel is Colaba Causeway - a vibrant stretch filled with roadside stores, jewellery shops, pubs and restaurants that whisks guests back in time to old Bombay. Take a tour of and learn about the rich history and architecture of this vibrant city, accompanied by Government of India appointed and trained tourism officials. Walk past Gothic buildings and through narrow streets. Visit historic locations such as Wellington Fountain, Regal Cinema, Indian Merchant Building, Asiatic Library, CSMVS Museum, Jehangir Art Gallery, Elphinstone College and other prominent buildings in varying styles of architecture, each symbolic of a particular period of Bombay's social and commercial history
We have Rooms 1-500 of type Duplex ,it has Two rooms on same floor connected by common stairs and occupancy of 5 persons
We have Rooms 501-1000 of type Cabana ,it has Faces water body,beach or a swimming pool and occupancy of 3 persons.
We have Rooms 1001-1500 of type Lanai ,it has This room faces a landscape, a waterfall, or a garden and occupancy of 4 persons.
We have Rooms 1501-2000 of type Suit ,it has It is composed of one or more bedrooms, a living room, and a dining area and occupancy of 12 persons.
SERVICES:
For the disabled, Breakfast, Restaurant, Adsl wi-fi internet, Fax, Newspapers, Transfer, Tourist information, Small animals welcome, Private parking, Guarded garage, 24h reception, 24h bar, Beaches at 500 m, Shuttle bus stop for the airport only 10 minutes away.
FACILITIES:
Reception Hall, Bar, Pool 10.00 a.m. - 6.00 p.m.
BOOKING:
Excursions, Guided tours, Private parties
1.Speciality of your Hotel
```

➤ Customer Mangement

```
C:\Windows\py.exe
===== WELCOME TO THE TAJ PALACE =====
-----
1.Speciality of your Hotel
2.Customer Management
3.Booking for Private Party
4.EXIT
-----
Enter your choice:2
-----
1.Booking For Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
-----
Enter your choice:
```

➤ Inserting data of customer

```
C:\Windows\py.exe
-----
1.Booking For Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
-----
Enter your choice:1
Enter Customer Code:35
Enter Customer Name:Rahul
Enter Customer Address:Morar
Enter Customer Check in Date:25
Enter Customer Check out Date:28
Enter your Identity card name:Aadhaar Card
Enter your Identity number:485698512365
Enter you Contact number:7458963245
Enter your nationality:Indian

We have the following rooms for you:-
1. Duplex--->Rs 6000 PN\
2. Cabana--->Rs 5000 PN\
3. Lanai--->Rs 4000 PN\
4. Suit--->Rs 3000 PN\
5. Next

Enter you choice:1
For How Many Nights Did You Stay:2
You have opted room Duplex
Your Room Number is: 21
Enter your room number for confirmation:21

Enter you choice:5
Your room rent is 12000 RS

****RESTAURANT MENU****
1.water---->Rs20 2.tea---->Rs10 3.breakfast combo--->Rs90 4.lunch---->Rs110 5.dinner--->Rs150 6.Next
Enter your choice:1
Enter the quantity:1
```


➤ Inserting data of various services

```
C:\Windows\py.exe
Your Room Number is: 21
Enter your room number for confirmation:21
Enter you choice:5
Your room rent is 12000 RS

****RESTAURANT MENU****
1.water---->Rs20 2.tea---->Rs10 3.breakfast combo--->Rs90 4.lunch---->Rs110 5.dinner--->Rs150 6.Next
Enter your choice:1
Enter the quantity:1
Enter your choice:6
Total food Cost=Rs 20

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

*****GAME MENU*****
1.Table tennis---->Rs60 2.Bowling---->Rs80 3.Snooker--->Rs70 4.Video games---->Rs90 5.Pool--->Rs50==6 6.Next
Enter your choice:4
No. of hours:1
Enter your choice:6
Total Game Bill=Rs 90
You have to pay Rs 13914
Record Inserted.....
Do you want to continue..(y/n):
```

➤ Displaying customers in Hotel

```
C:\Windows\py.exe
Do you want to continue..(y/n):n

.....
1.Booking for Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
.....

Enter your choice:2

1.Display all records
2.Display through code number
Enter your choice:1

Customer details.....
Customer code: 25
Customer name: Deepak
Customer Id type: Aadhaar card
Customer Id Number: 412563578952
Customer address: Morar,Gwalior
customer Nationality: Indian
Check in date: 25
Check out date 26
Room number: 1000
Customer Contact number: 8269513294

Customer details.....
Customer code: 29
Customer name: Smith
Customer Id type: Voter Id Card
Customer Id Number: 45896244
Customer address: Canada
customer Nationality: Canadian
Check in date: 23
Check out date 30
Room number: 1008
Customer Contact number: 6598541256
```

➤ Displaying customers in hotel

```
Select C:\Windows\py.exe
Customer details.....
Customer code: 26
Customer name: Amit
Customer Id type: Pan card
Customer Id Number: 5874695325
Customer address: Morar,Gwalior
customer Nationality: Indian
Check in date: 5
Check out date 8
Room number: 1017
Customer Contact number: 9063560847

Customer details.....
Customer code: 27
Customer name: Anuj
Customer Id type: Pan card
Customer Id Number: 8456958236
Customer address: New Delhi
customer Nationality: Indian
Check in date: 12
Check out date 20
Room number: 1407
Customer Contact number: 9770563593

Customer details.....
Customer code: 28
Customer name: Kunal
Customer Id type: Service Id
Customer Id Number: 8546952156
Customer address: Morar,Gwalior
customer Nationality: Indian
Check in date: 5
Check out date 8
Room number: 1405
Customer Contact number: 4856985123

It's All record
Do you want to continue..(y/n):
```

➤ Displaying customer by its code

```
C:\Windows\py.exe
It's All record
Do you want to continue..(y/n):y

1.Display all records
2.Display through code number
Enter your choice:2
Enter code of customer:25

Record Found.....
Customer details.....
Customer code: 25
Customer name: Deepak
Customer Id type: Aadhaar card
Customer Id Number: 412563578952
Customer address: Morar,Gwalior
customer Nationality: Indian
Check in date: 25
Check out date 26
Room number: 1000
Customer Contact number: 8269513294

Do you want to continue..(y/n):
```

➤ Searching customer by its code

```
C:\Windows\py.exe
Do you want to continue..(y/n):n

~~~~~
1.Booking For Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
~~~~~

Enter your choice:3

Enter Customer Code to be Searched in Hotel:25

Record Found
Customer details.....
Customer code: 25
Customer name: Deepak
Customer address: Morar,Gwalior
Check in date: 25
Check out date 26
Room number: 1000
Room rent is: 6000
Food bill is: 150
Laundry bill is: 10
Game bill is: 180
Sub total bill is: 6340
Additional Service Charges is: 1800
Grand Total bill is: 8140

Do you want to continue..(y/n):
```

➤ Deleting customer by its code

```
C:\Windows\py.exe
Customer name: Deepak
Customer address: Morar,Gwalior
Check in date: 25
Check out date 26
Room number: 1000
Room rent is: 6000
Food bill is: 150
Laundry bill is: 10
Game bill is: 180
Sub total bill is: 6340
Additional Service Charges is: 1800
Grand Total bill is: 8140

Do you want to continue..(y/n):n

~~~~~
1.Booking For Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
~~~~~

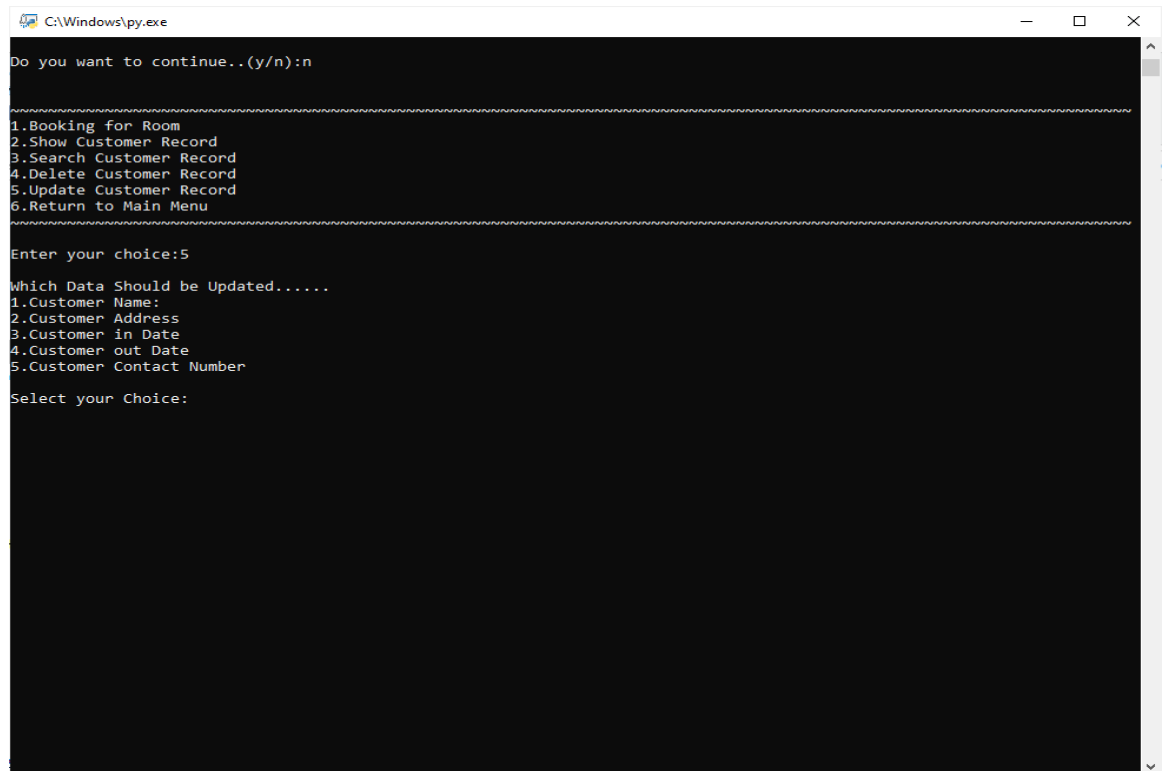
Enter your choice:4

Enter Customer Code to be delete from Hotel:35

Record Deleted.....

Do you want to continue..(y/n):
```

➤ Update customer record



```
C:\Windows\py.exe
Do you want to continue..(y/n):n

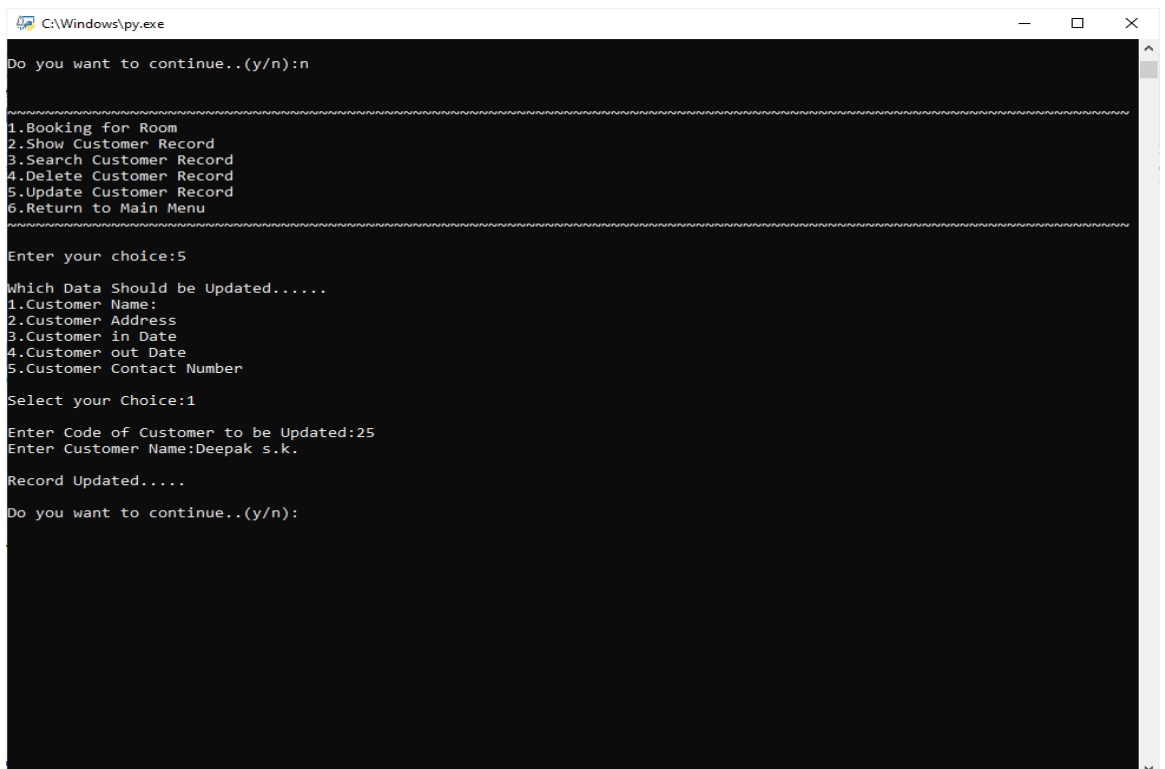
.....
1.Booking for Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
.....

Enter your choice:5

Which Data Should be Updated.....
1.Customer Name:
2.Customer Address
3.Customer in Date
4.Customer out Date
5.Customer Contact Number

Select your Choice:
```

➤ Updating customer's name by its code



```
C:\Windows\py.exe
Do you want to continue..(y/n):n

.....
1.Booking For Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
.....

Enter your choice:5

Which Data Should be Updated.....
1.Customer Name:
2.Customer Address
3.Customer in Date
4.Customer out Date
5.Customer Contact Number

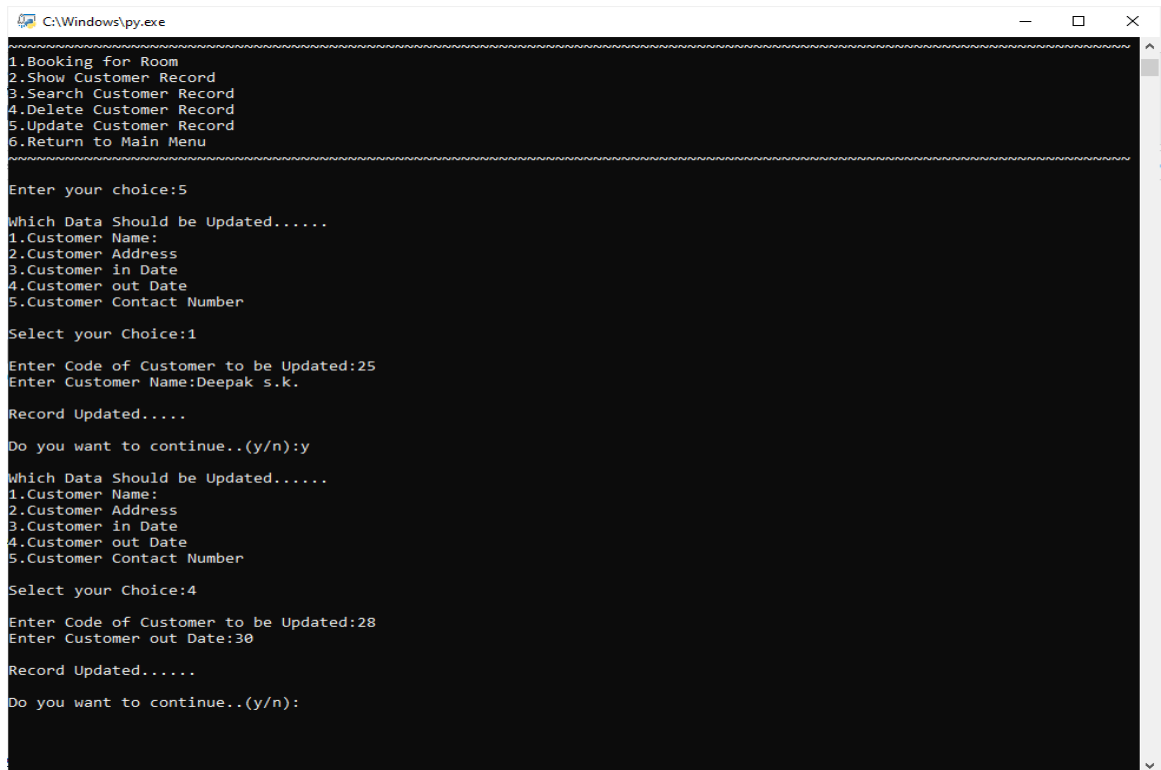
Select your Choice:1

Enter Code of Customer to be Updated:25
Enter Customer Name:Deepak s.k.

Record Updated....

Do you want to continue..(y/n):
```

➤ Updating customer's out date by its code



```
C:\Windows\python.exe
1.Booking For Room
2.Show Customer Record
3.Search Customer Record
4.Delete Customer Record
5.Update Customer Record
6.Return to Main Menu
-----
Enter your choice:5
-----
Which Data Should be Updated.....
1.Customer Name:
2.Customer Address
3.Customer in Date
4.Customer out Date
5.Customer Contact Number
-----
Select your Choice:1
-----
Enter Code of Customer to be Updated:25
Enter Customer Name:Deepak s.k.
-----
Record Updated.....
-----
Do you want to continue..(y/n):y
-----
Which Data Should be Updated.....
1.Customer Name:
2.Customer Address
3.Customer in Date
4.Customer out Date
5.Customer Contact Number
-----
Select your Choice:4
-----
Enter Code of Customer to be Updated:28
Enter Customer out Date:30
-----
Record Updated.....
-----
Do you want to continue..(y/n):
```

➤ Data of customer in table customer

```
Select C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 115
Server version: 5.1.73-community MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| hotel_management |
| mysql |
| test |
+-----+
4 rows in set (0.00 sec)

mysql> use hotel_management
Database changed
mysql> show tables;
+-----+
| Tables_in_hotel_management |
+-----+
| customer |
| hoteldata |
| room |
+-----+
3 rows in set (0.04 sec)

mysql> select * from customer;
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| Ccode | Cid_type | Cid_no | Cname | Ccontact_no | Cadd | Cindate | Coutdate | CNationality |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
| 25 | Aadhaar card | 412563578952 | Deepak | 8269513294 | Morar,Gwalior | 25 | 26 | Indian |
| 29 | Voter Id Card | 45896244 | Smith | 6598541256 | Canada | 23 | 30 | Canadian |
| 30 | Aadhaar card | 485962578545 | Alex | 6325489652 | America | 25 | 30 | American |
| 26 | Pan card | 5874695325 | Amit | 9063560847 | Morar,Gwalior | 5 | 8 | Indian |
| 27 | Pan card | 8456958236 | Anuj | 9770563593 | New Delhi | 12 | 20 | Indian |
| 28 | Service Id | 8546952156 | Kunal | 4856985123 | Morar,Gwalior | 5 | 8 | Indian |
+----+-----+-----+-----+-----+-----+-----+-----+-----+
```

➤ Data of customer in hotel in table hoteldata

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 116
Server version: 5.1.73-community MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| hotel_management |
| mysql |
| test |
+-----+
4 rows in set (0.00 sec)

mysql> use hotel_management
Database changed
mysql> show tables;
+-----+
| Tables_in_hotel_management |
+-----+
| customer |
| hoteldata |
| room |
+-----+
3 rows in set (0.00 sec)

mysql> select * from hoteldata;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Ccode | Cname | Cadd | Cindate | Coutdate | Room_no | Room_rent | Food_bill | Laundry_bill | Game_bill | SubTotal_bill | Add_charges | GrandTotal_bill |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 25 | Deepak | Morar,Gwalior | 25 | 26 | 1000 | 6000 | 150 | 10 | 180 | 6340 | 1800 | 8140 |
| 26 | Amit | Morar,Gwalior | 5 | 8 | 1017 | 10000 | 5 | 0 | 50 | 10155 | 1800 | 11955 |
| 27 | Anuj | New Delhi | 12 | 20 | 1407 | 4000 | 130 | 7 | 80 | 4217 | 1800 | 6017 |
| 28 | Kunal | Morar,Gwalior | 5 | 8 | 1405 | 9000 | 20 | 0 | 90 | 9110 | 1800 | 10910 |
| 29 | Smith | Canada | 23 | 30 | 1008 | 3000 | 20 | 5 | 50 | 30075 | 1800 | 31875 |
| 30 | Alex | America | 25 | 30 | 1012 | 3000 | 30 | 6 | 0 | 30036 | 1800 | 31836 |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
```

➤ Information of rooms in table room

```
C:\Program Files (x86)\MySQL\MySQL Server 5.1\bin\mysql.exe
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 117
Server version: 5.1.73-community MySQL Community Server (GPL)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| hotel_management |
| mysql |
| test |
+-----+
4 rows in set (0.00 sec)

mysql> use hotel_management
Database changed
mysql> show tables;
+-----+
| Tables_in_hotel_management |
+-----+
| customer |
| hoteldata |
| room |
+-----+
3 rows in set (0.00 sec)

mysql> select * from room;
+-----+-----+-----+-----+-----+
| Rooms | Type | Charges | Features | Occupancy |
+-----+-----+-----+-----+-----+
| 1-500 | Duplex | 6000 | Two rooms on same floor connected by common stairs | 5 |
| 501-1000 | Cabana | 5000 | Faces water body,beach or a swimming pool | 3 |
| 1001-1500 | Lanai | 4000 | This room faces a landscape, a waterfall, or a garden | 4 |
| 1501-2000 | Suit | 3000 | It is composed of one or more bedrooms, a living room, and a dining area | 12 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

