HOTEL MANAGEMENT SYSTEM

A Project Report Submitted
in Partial Fulfillment of the Requirements

**AISSCE - All India Senior School Certificate Examination
2019-2020: SCIENCE – XII A**

In
COMPUTER SCIENCE (083)

By:
1. **SAHISTHA**   **– XII A**   **– ROLL NO: 20**
2. **PALLAVI**   **– XII A**   **– ROLL NO: 14**
3. **SABNAM**   **– XII A**   **– ROLL NO: 19**

**KENDRIYA VIDYALAYA HOLTA CAMP PALAMPUR
JANUARY , 2020**

UNDERTAKING

We declare that the work presented in this project titled "**HOTEL MANAGEMENT SYSTEM",** submitted to **Sh. Sanjeev Sharma PGT-Computer Science Kendriya Vidyalaya Holta Camp Palampu**r for the award of the **CBSE - AISSE class XII certificate**. We have not plagiarized or submitted the same work for the award of any other examination. In case this undertaking is found incorrect, we accept that our Certificates may be unconditionally withdrawn.

January, 2020
Place : Kendriya Vidyalaya Palampur

1. **SAHISTHA   – XII A – ROLL NO: 20**
2. **PALLAVI   – XII A – ROLL NO: 14**
3. **SABNAM   – XII A – ROLL NO: 19**

CERTIFICATE

Certified that the work contained in the project titled

"HOTEL MANAGEMENT SYSTEM", by:

"**SAHISTHA , PALLAVI , SABNAM** ", has been carried out

under my supervision and that this work has not been

submitted elsewhere for a AISSE certificate.

Sanjeev Sharma
PGT-Computer Science
Kendriya Vidyalaya Palampur

<u>Acknowledgements</u>

We would like to thank **Sh. Lalit Kumar**, Principal **Kendriya Vidyalaya Palampur**.

We are deeply indebted to our mentor **Sh. Sanjeev Sharma.**

We further thank to all the staff members of Kendriya Vidyalaya Palampur.

We owe our sincere gratitude towards Kendriya Vidyalaya Sangathan.

Our heartfelt thanks to CBSE.

We also express our deepest gratitude to our parents.

Finally, we would like to wind up by paying our heartfelt thanks to all our near and dear ones.

1. **SAHISTHA** – **XII A** – **ROLL NO: 20**
2. **PALLAVI** – **XII A** – **ROLL NO: 14**
3. **SABNAM** – **XII A** – **ROLL NO: 19**

<u>Contents</u>

Introduction of the Project

We the students of **CLASS XII A of KENDRIYA VIDYALAYA PALAMPUR HOLTA** have been assigned the work of **HOTEL MANAGEMENT SYSTEM.**

To perform this task the students were divided into the group of four students named as SAHISTHA , PALLAVI, SABNAM.

SAHISTHA , PALLAVI , SABNAM has been assigned the work of coding and programming SAHISTHA , PALLAVI have been assigned the work of analyzing the overall mistakes and have done the conclusion work.

The project starts with –
Enter 1 - CUSTOMER DETAILS
Enter 2 - BOOKING RECORD
Enter 3 - ROOM RENT
Enter 4 - RESTAURENT BILL
Enter 5 - GAMING BILL
Enter 6 - FASHION STORE BILL
Enter 7 - DISPLAY CUSTOMER DETAILS
Enter 8 - TOTAL BILL
Enter 9 - OLD BILL
Enter 10- EXIT

We are so glad that this work have been assigned to us, yet we haven't done this work before .**SH. SANJEEV SHARMA** our subject teacher have also helped us a lot to complete this project. We feel so blessed that we have learnt all this work with the help of our sir,we are also thankful to our respected principal **SH.LALIT KUMAR GUPTA** for providing us various facilities to complete this project.

As we are the students of **CLASS XII A** and we haven't done this type of project before, we have performed all that which we have learnt from our **CBSE** PROGRAMMING .Hence, we know that this programming would be further done on a big platform. Since we have started this programming from *SEPTEMBER* month ,we believe that this programming would further help us a lot in our future .

We are also thankful to our groupmates for cooperating with each other while performing this task we have also polished the skills of group activity.

PROCESS

FIRSTLY, we have done the planning in a paper work regarding what have to do on the assigned project **HOTEL MANAGEMENT SYSTEM.**

SECONDLY, we discussed our planning with our subject teacher and then he provided us the right path to perform the work.

NEXT, we started our project on foot paths of our subject teacher.

THEN, we started our coding, coding took around 2 and half months for completion.

NEXT, we analyzed the mistakes done and then we corrected them.

THEN, we prepared the project format as shown above.

THANKS TO ALL OF WORTHY *TEACHERS* AND *PRINCIPAL* AND MY DEAR GROUP MATES
ALSO A GREAT THANKS TO **KENDRIYA VIDYALAYA SANGATHAN** FOR PROVIDING US THIS GOLDEN OPPORTUNITY
…………

System Requirements of the Project

Recommended System Requirements

Processors: Intel® Core™ i3 processor 4300M at 2.60 GHz.

Disk space: 2 to 4 GB.

Operating systems: Windows® 10, MACOS, and UBUNTU.

Python Versions: 3.X.X or Higher.

Minimum System Requirements

Processors: Intel Atom® processor or Intel® Core™ i3 processor.

Disk space: 1 GB.

Operating systems: Windows 7 or later, MACOS, and UBUNTU.

Python Versions: 2.7.X, 3.6.X.

Prerequisites before installing MySQL Connector Python

You need root or administrator privileges to perform the installation process.

Python must be installed on your machine.

Note: – MySQL Connector Python requires python to be in the system's PATH. Installation fails if it doesn't find Python.

On Windows, If Python doesn't exist in the system's PATH, please manually add the directory containing python.exe yourself.

PYTHON CODING

#***************KENDRIYA VIDYALAYA PALAMPUR *********************

#***************HOTEL MANAGEMENT SYSTEM ************************

################ CROWN PLAZA MIAMI ############################

#*******Designed and Maintained By :"

#*******SAHISTHA - CLASS XII A - ROLL NO - 8 [2019-2020]"

#*******PALLAVI   - CLASS XII A - ROLL NO - 7 [2019-2020]"

#*******SABNAM   - CLASS XII A - ROLL NO - 2 [2019-2020]"


```python
import mysql.connector
# GLOBAL VARIABLES DECLARATION
myConnnection =""
cursor=""
userName=""
password =""
roomrent =0
restaurentbill=0
gamingbill=0
fashionbill=0
totalAmount=0
cid=""
#MODULE TO CHECK  MYSQL CONNECTIVITY
def MYSQLconnectionCheck ():
    global myConnection
    global userName
    global password
 userName = input("\n ENTER MYSQL SERVER'S USERNAME : ")
 password = input("\n ENTER MYSQL SERVER'S PASSWORD : ")
myConnection=mysql.connector.connect(host="localhost",user=userName,passwd=password ,
auth_plugin='mysql_native_password' )
```

```python
    if myConnection:

        print("\n CONGRATULATIONS ! YOUR MYSQL CONNECTION HAS BEEN ESTABLISHED !")

        cursor=myConnection.cursor()

        cursor.execute("CREATE DATABASE IF NOT EXISTS HMS")

        cursor.execute("COMMIT")

        cursor.close()

        return myConnection

    else:

        print("\nERROR ESTABLISHING MYSQL CONNECTION CHECK USERNAME AND PASSWORD !")


#MODULE TO ESTABLISHED  MYSQL CONNECTION

def MYSQLconnection ()

    global userName

    global password

    global myConnection

    global cid

    myConnection=mysql.connector.connect(host="localhost",user=userName,passwd=password ,
database="HMS" , auth_plugin='mysql_native_password' )

    if myConnection:

        return myConnection

    else:

        print("\nERROR ESTABLISHING MYSQL CONNECTION !")

        myConnection.close()


def userEntry():

    global cid

    if myConnection:

        cursor=myConnection.cursor(

createTable ="""CREATE TABLE IF NOT EXISTS C_DETAILS(CID VARCHAR(20),C_NAME
VARCHAR(30),C_ADDRESS VARCHAR(30),C_AGE VARCHAR(30),

C_COUNTRY VARCHAR(30) ,P_NO VARCHAR(30),C_EMAIL VARCHAR(30))"""

        cursor.execute(createTable)
```

```python
        cid = input("Enter Customer Identification Number  :  ")

        name = input("Enter Customer Name  :  ")

        address = input("Enter Customer Address  : ")

        age= input("Enter Customer Age  : ")

        nationality = input("Enter Customer Country  :  ")

        phoneno= input("Enter Customer Contact Number  :  ")

        email = input("Enter Customer Email  :  ")

        sql = "INSERT INTO C_Details VALUES(%s,%s,%s,%s,%s,%s,%s)"

        values= (cid,name,address,age,nationality,phoneno,email)

        cursor.execute(sql,values)

        cursor.execute("COMMIT")

        print("\nNew Customer Entered In The System Successfully !")

        cursor.close()

    else:

        print("\nERROR ESTABLISHING MYSQL CONNECTION !")


def bookingRecord():

global cid

customer=searchCustomer()

if customer:

    if myConnection:

        cursor=myConnection.cursor()

        createTable ="CREATE TABLE IF NOT EXISTS BOOKING_RECORD(CID VARCHAR(20),CHECK_IN
DATE ,CHECK_OUT DATE)"

        cursor.execute(createTable)

        checkin=input("\n Enter Customer CheckIN Date [ YYYY-MM-DD ]  :  ")

        checkout=input("\n Enter Customer CheckOUT Date [ YYYY-MM-DD ]  :  ")

        sql= "INSERT INTO BOOKING_RECORD VALUES(%s,%s,%s)"

        values= (cid,checkin,checkout)

        cursor.execute(sql,values)

        cursor.execute("COMMIT")
```

```python
        print("\nCHECK-IN AND CHECK-OUT ENTRY MADED SUCCESSFULLY !")
        cursor.close()
    else:
        print("\nERROR ESTABLISHING MYSQL CONNECTION !")


def roomRent():
 global cid
 customer=searchCustomer()
 if customer:
   global roomrent
   if myConnection:
     cursor=myConnection.cursor()
     createTable ="""CREATE TABLE IF NOT EXISTS ROOM_RENT(CID VARCHAR(20),ROOM_CHOICE
INT,NO_OF_DAYS INT,ROOMNO INT ,ROOMRENT INT)"""
     cursor.execute(createTable)
     print ("\n ##### We have The Following Rooms For You #####")
    print (" 1.  Ultra Royal  ----> 10000 Rs.")
     print (" 2.  Royal       ----> 5000 Rs. ")
     print (" 3.  Elite       ----> 3500 Rs. ")
     print (" 4.  Budget      ----> 2500 USD ")
     roomchoice =int(input("Enter Your Option  : "))
     roomno=int(input("Enter Customer Room No  : "))
     noofdays=int(input("Enter No. Of Days    : "))
     if roomchoice==1:
        roomrent = noofdays * 10000
        print("\nUltra Royal Room Rent  :  ",roomrent)
     elif roomchoice==2:
        roomrent = noofdays * 5000
        print("\nRoyal Room Rent  :  ",roomrent)
     elif roomchoice==3:
        roomrent = noofdays * 3500
```

```python
        print("\nElite Royal Room Rent  :  ",roomrent)

    elif roomchoice==4:

        roomrent = noofdays * 2500

        print("\nBudget Room Rent  :  ",roomrent)

    else:

        print("Sorry ,May Be You Are Giving Me Wrong Input, Please Try Again !!!  ")

        return

    sql= "INSERT INTO ROOM_RENT VALUES(%s,%s,%s,%s,%s)"

    values= (cid,roomchoice,noofdays,roomno,roomrent,)

    cursor.execute(sql,values)

    cursor.execute("COMMIT")

    print("Thank You ,  Your Room Has Been Booked For :  ",noofdays ,  "Days" )

    print("Your Total Room Rent is  : Rs. ",roomrent)

    cursor.close()

  else:

      print("\nERROR ESTABLISHING MYSQL CONNECTION !")

def Restaurent():

 global cid

 customer=searchCustomer()

 if customer:

   global restaurentbill

   if myConnection:

      cursor=myConnection.cursor(

createTable ="""CREATE TABLE IF NOT EXISTS RESTAURENT(CID VARCHAR(20),CUISINE
VARCHAR(30),QUANTITY VARCHAR(30),BILL VARCHAR(30))
            """

cursor.execute(createTable)

      print("1.  Vegetarian Combo              -----> 300 Rs.")

      print("2.  Non-Vegetarian Combo          -----> 500 Rs.")

      print("3.  Vegetarian & Non-Vegetarian Combo -----> 750 Rs.")

      choice_dish =  int(input("Enter Your Cusine :  "))
```

```python
        quantity=int(input("Enter Quantity :   "))
        if choice_dish==1:
            print("\nSO YOU HAVE ORDER:   Vegetarian Combo  ")
            restaurentbill = quantity * 300
        elif choice_dish==2:
            print("\nSO YOU HAVE ORDER:  Non-Vegetarian Combo  ")
            restaurentbill = quantity * 500
        elif choice_dish==3:
            print("\nSO YOU HAVE ORDER:  Vegetarian & Non-Vegetarian Combo  ")
            restaurentbill= quantity * 750
        else:
            print("Sorry ,May Be You Are Giving Me Wrong Input, Please Try Again !!!  ")
            return
        sql= "INSERT INTO RESTAURENT VALUES(%s,%s,%s,%s)"
        values= (cid,choice_dish,quantity,restaurentbill)
        cursor.execute(sql,values)
        cursor.execute("COMMIT")
        print("Your Total Bill Amount Is  : Rs.   ",restaurentbill)
        print("\n\n****  WE HOPE YOU WILL ENJOY YOUR MEAL  ***\n\n" )
        cursor.close()
    else:
        print("\nERROR ESTABLISHING MYSQL CONNECTION !")
def Gaming():
global cid
customer=searchCustomer()
if customer:
    global  gamingbill
    if myConnection:
        cursor=myConnection.cursor()
        createTable ="""CREATE TABLE IF NOT EXISTS GAMING(CID VARCHAR(20),GAMES
VARCHAR(30),HOURS VARCHAR(30),GAMING_BILL VARCHAR(30))
```

```python
        """ cursor.execute(createTable)
print("""
        1.  Table Tennis      -----> 150 Rs./HR
        2.  Bowling           -----> 100 Rs./HR
        3.  Snooker           -----> 250 Rs./HR
        4.  VR World Gaming    -----> 400 Rs./HR
        5.  Video Games        -----> 300 Rs./HR
        6.  Swimming Pool Games ----->   350 Rs./HR
        7.  Exit
                """)
game=int(input("Enter What Game You Want To Play : "))
hour=int(input("Enter No Of Hours You Want To Play : "))
print("\n\n#############################################")
if game==1:
    print("YOU HAVE SELECTED TO PLAY : Table Tennis")
    gamingbill = hour * 150
elif game==2:
    print("YOU HAVE SELECTED TO PLAY : Bowling")
    gamingbill = hour * 100
elif game==3:
    print("YOU HAVE SELECTED TO PLAY : Snooker")
    gamingbill = hour * 250
elif game==4:
    print("YOU HAVE SELECTED TO PLAY : VR World Gaming")
    gamingbill  = hour * 400
elif game==5:
    print("YOU HAVE SELECTED TO PLAY : Video Games")
    gamingbill = hour * 300
elif game ==6:
    print("YOU HAVE SELECTED TO PLAY : Swimming Pool Games")
    gamingbill = hour * 350
```

```python
        else:

            print("Sorry ,May Be You Are Giving Me Wrong Input, Please Try Again !!!  ")

            return

        sql= "INSERT INTO GAMING VALUES(%s,%s,%s,%s)"

        values= (cid,game,hour,gamingbill)

        cursor.execute(sql,values)

        cursor.execute("COMMIT")

        print("Your Total Gaming Bill Is :  Rs. ",gamingbill)

        print("FOR  :  ",hour,"  HOURS","\n *** WE HOPE YOU WILL ENJOY YOUR GAME ***")

        print("\n\n#################################################")

        cursor.close()
    else:

         print("ERROR ESTABLISHING MYSQL CONNECTION !")


def Fashion():
 global cid
 customer=searchCustomer()
 if customer:

   global fashionbill

   if myConnection:

     cursor=myConnection.cursor()

     createTable ="""CREATE TABLE IF NOT EXISTS FASHION(CID VARCHAR(20),DRESS
VARCHAR(30),AMOUNT VARCHAR(30),BILL VARCHAR(30))"""

     cursor.execute(createTable)

     print("""

             1.  Shirts       -----> 1500 Rs.

             2.  T-Shirts     -----> 300 Rs.

             3.  Pants        -----> 2000 Rs.

             4.  Jeans        -----> 4000 Rs.

             5.  Tassel top    -----> 500 Rs.

             6.  Gown         -----> 3000 Rs.
```

```
        7.  Western dress -----> 3000 Rs.

        8.  Skirts       -----> 400 Rs.

        9.  Trousers     -----> 200 Rs.

        10. InnerWear    -----> 30 Rs.

        """)
 dress=int(input("Enter the your Choice wear: "))

 quantity=int(input("How many you want to buy: "))

if dress==1:

    print("\nShirts")

    fashionbill = quantity * 1500

elif dress==2:

    print("\nT-Shirts")

    fashionbill  = quantity * 300

elif dress==3:

    print("\nPants")

    fashionbill = quantity * 2000

elif dress==4:

    print("\nJeans")

    fashionbill  = quantity * 4000

elif dress==5:

    print("\nTassel top")

    fashionbill  = quantity * 500

elif dress==6:

    print("\nGown")

    fashionbill  = quantity * 3000

elif dress==7:

    print("\nWestern dress")

    fashionbill  = quantity * 3000

elif dress==8:

    print("\nSkirts")
```

```python
            fashionbill  = quantity * 400
         elif dress==9:
            print("\nTrousers")
            fashionbill  = quantity * 200
         elif dress==10:
            print("\nInnerWear")
            fashionbill  = quantity * 30
         else:
            print("Sorry ,May Be You Are Giving Me Wrong Input, Please Try Again !!!  ")
            return
          sql= "INSERT INTO FASHION VALUES(%s,%s,%s,%s)"
         values= (cid,dress,quantity,fashionbill)
         cursor.execute(sql,values)
         cursor.execute("COMMIT")
         print("\n\n#################################################")
         print("\nYOU SELECT ITEM NO :  ",dress,"\nYOUR QUANTITY IS  :  ",quantity,"  ITEMS","\nTHANK
YOU FOR SHOPPING VISIT AGAIN!!!" )
         print("\nYour Total Bill Is :  ",fashionbill)
         print("\n\n#################################################")
         cursor.close()
      else:
         print("\nERROR ESTABLISHING MYSQL CONNECTION !")
def totalAmount():
 global cid
 customer=searchCustomer()
 if customer:
  global grandTotal
  global roomrent
  global restaurentbill
  global fashionbill
  global gamingbill
```

```python
    if myConnection:

        cursor=myConnection.cursor()

        createTable ="""CREATE TABLE IF NOT EXISTS TOTAL(CID VARCHAR(20),C_NAME
VARCHAR(30),ROOMRENT INT ,RESTAURENTBILL INT ,GAMINGBILL INT,FASHIONBILL
INT,TOTALAMOUNT INT)"""

        cursor.execute(createTable)

        sql= "INSERT INTO TOTAL VALUES(%s,%s,%s,%s,%s,%s,%s)"

        name = input("Enter Customer Name  :  ")

        grandTotal=roomrent + restaurentbill + fashionbill + gamingbill

        values= (cid,name,roomrent,restaurentbill , gamingbill,fashionbill,grandTotal)

        cursor.execute(sql,values)

        cursor.execute("COMMIT")

        cursor.close()

        print("\n **** CROWN PLAZA MIAMI **** CUSTOMER BIILING ****")

        print("\n CUSTOMER NAME :  " ,name)

        print("\nROOM RENT       :  Rs.  ",roomrent)

        print("\nRESTAURENT BILL   :  Rs.  ",restaurentbill)

        print("\nFASHION BILL     :  Rs.  ",fashionbill)

        print("\nGAMING BILL      :  Rs.  ",gamingbill)

        print("_____")

        print("\nTOTAL AMOUNT      :  Rs.  ",grandTotal)

        cursor.close()

    else:

        print("\nERROR ESTABLISHING MYSQL CONNECTION !")
def searchOldBill():
 global cid
 customer=searchCustomer()
 if customer:
   if myConnection:

      cursor=myConnection.cursor()

      sql="SELECT * FROM TOTAL WHERE CID= %s"

      cursor.execute(sql,(cid,))
```

```python
        data=cursor.fetchall()
        if data:
            print(data)
        else:
            print("Record Not Found Try Again !")
        cursor.close()
    else:
        print("\nSomthing Went Wrong ,Please Try Again !")


def searchCustomer():
    global cid
    if myConnection:
        cursor=myConnection.cursor()
        cid=input("ENTER CUSTOMER ID  :  ")
        sql="SELECT * FROM C_DETAILS WHERE CID= %s"
        cursor.execute(sql,(cid,))
        data=cursor.fetchall()
        if data:
            print(data)
            return True
        else:
            print("Record Not Found Try Again !")
            return False
        cursor.close()

    else:
        print("\nSomthing Went Wrong ,Please Try Again !")
```

```python
print("""

    **************KENDRIYA VIDYALAYA PALAMPUR *********************

    **************HOTEL MANAGEMENT SYSTEM **********************

    ****************CROWN PLAZA MIAMI ****************************

    #******* Designed and Maintained By: **************************

    #******* SAHISTHA  - CLASS XII A - ROLL NO - 20[ 2019-2020 ]****

    #******* PALLAVI   - CLASS XII A - ROLL NO - 14 [ 2019-2020 ]****

    #******* SABNAM    - CLASS XII A - ROLL NO - 19 [ 2019-2020 ]****


    """)


myConnection = MYSQLconnectionCheck ()
if myConnection:
 MYSQLconnection ()
 while(True):
     print("""

         1--->Enter Customer Details

         2--->Booking Record

         3--->Calculate Room Rent

         4--->Calculate Restaurant Bill

         5--->Calculate Gaming Bill

         6--->Calculate Fashion store Bill

         7--->Display Customer Details

         8--->GENERATE TOTAL BILL AMOUNT

         9--->GENERATE OLD BILL

        10--->EXIT     """)
     choice = int(input("Enter Your Choice"))
     if choice == 1:
         userEntry()
     elif choice ==2:
         bookingRecord()
```
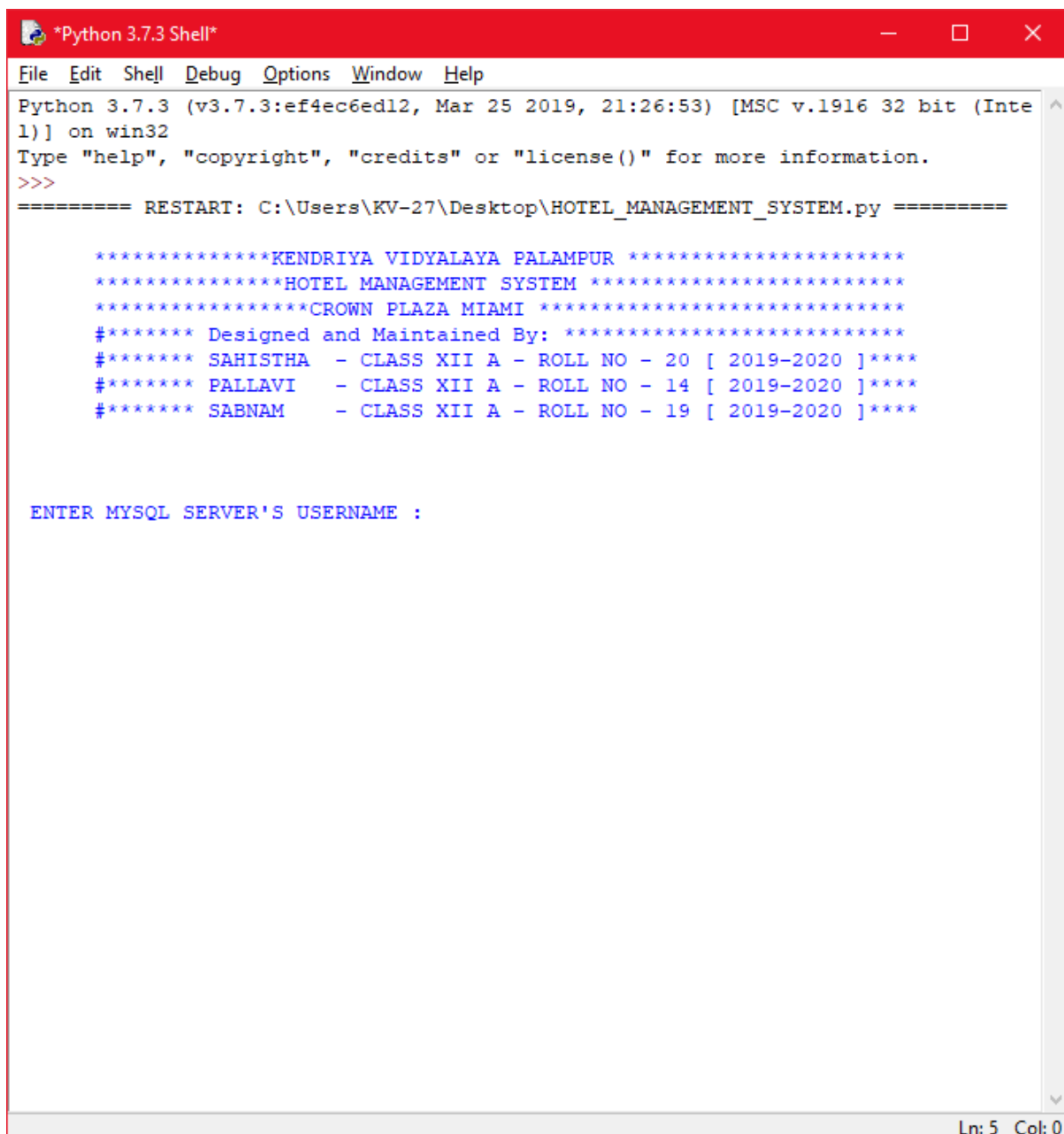
```python
        elif choice ==3:
            roomRent()
        elif choice ==4:
            Restaurent()
        elif choice ==5:
            Gaming()
        elif choice ==6:
            Fashion()
        elif choice ==7:
            searchCustomer()
        elif choice ==8:
            totalAmount()
        elif choice ==9:
            searchOldBill()
        elif choice ==10:
            break
        else:
            print("Sorry ,May Be You Are Giving Me Wrong Input, Please Try Again !!!  ")
    else:
     print("\nERROR ESTABLISHING MYSQL CONNECTION !")
# END OF PROJECT
```

Output of the Project

Finally, we conclude our work and present the output of the Project.

MAIN SCREEN

```
*Python 3.7.3 Shell*                                          —   □   ×

File  Edit  Shell  Debug  Options  Window  Help

Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Inte
1)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: C:\Users\KV-27\Desktop\HOTEL_MANAGEMENT_SYSTEM.py =========

        ***************KENDRIYA VIDYALAYA PALAMPUR **********************
        ***************HOTEL MANAGEMENT SYSTEM *************************
        *****************CROWN PLAZA MIAMI ****************************
        #******* Designed and Maintained By: **************************
        #******* SAHISTHA  - CLASS XII A - ROLL NO - 20 [ 2019-2020 ]****
        #******* PALLAVI   - CLASS XII A - ROLL NO - 14 [ 2019-2020 ]****
        #******* SABNAM    - CLASS XII A - ROLL NO - 19 [ 2019-2020 ]****



 ENTER MYSQL SERVER'S USERNAME :




                                                          Ln: 5  Col: 0
```

USER AUTHENTICATION

```
*Python 3.7.3 Shell*                                    —   □   ×

File  Edit  Shell  Debug  Options  Window  Help

Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Inte
l)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: C:\Users\KV-27\Desktop\HOTEL_MANAGEMENT_SYSTEM.py =========


     ***************KENDRIYA VIDYALAYA PALAMPUR **********************
     ***************HOTEL MANAGEMENT SYSTEM ************************
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     #******* SABNAM    - CLASS XII A - ROLL NO - 19 [ 2019-2020 ]****



 ENTER MYSQL SERVER'S USERNAME : root

 ENTER MYSQL SERVER'S PASSWORD : root

 CONGRATULATIONS ! YOUR MYSQL CONNECTION HAS BEEN ESTABLISHED !

            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice




                                                        Ln: 19  Col: 0
```

CUSTOMER DETAILS

```
*Python 3.7.3 Shell*                                          —   □   ✕

File  Edit  Shell  Debug  Options  Window  Help

Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Inte
1)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: C:\Users\KV-27\Desktop\HOTEL_MANAGEMENT_SYSTEM.py =========

      ***************KENDRIYA VIDYALAYA PALAMPUR *********************
      ***************HOTEL MANAGEMENT SYSTEM *************************
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 ENTER MYSQL SERVER'S USERNAME : root

 ENTER MYSQL SERVER'S PASSWORD : root

 CONGRATULATIONS ! YOUR MYSQL CONNECTION HAS BEEN ESTABLISHED !

             1--->Enter Customer Details
             2--->Booking Record
             3--->Calculate Room Rent
             4--->Calculate Restaurant Bill
             5--->Calculate Gaming Bill
             6--->Calculate Fashion store Bill
             7--->Display Customer Details
             8--->GENERATE TOTAL BILL AMOUNT
             9--->GENERATE OLD BILL
             10--->EXIT
Enter Your Choice1
Enter Customer Identification Number  :  C101
Enter Customer Name  :  Suzy Sabestian
Enter Customer Address  : 45 street won
Enter Customer Age  : 25
Enter Customer Country  :  Australia
Enter Customer Contact Number  :  76789-32456
Enter Customer Email  :  Suzy123@gmail.com


New Customer Entered In The System Successfully !

             1--->Enter Customer Details
             2--->Booking Record
             3--->Calculate Room Rent
             4--->Calculate Restaurant Bill

                                                        Ln: 25  Col: 0
```

CUSTOMER BOOKING RECORDS

```
*Python 3.7.3 Shell*                                          —    □    ✕

File  Edit  Shell  Debug  Options  Window  Help

Enter Customer Address  : 45 street won
Enter Customer Age  : 25
Enter Customer Country  :  Australia
Enter Customer Contact Number  :  76789-32456
Enter Customer Email  :  Suzy123@gmail.com

New Customer Entered In The System Successfully !

             1--->Enter Customer Details
             2--->Booking Record
             3--->Calculate Room Rent
             4--->Calculate Restaurant Bill
             5--->Calculate Gaming Bill
             6--->Calculate Fashion store Bill
             7--->Display Customer Details
             8--->GENERATE TOTAL BILL AMOUNT
             9--->GENERATE OLD BILL
             10--->EXIT
Enter Your Choice2
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com')]

 Enter Customer CheckIN Date [ YYYY-MM-DD ]  :  2020-01-11

 Enter Customer CheckOUT Date [ YYYY-MM-DD ]  :  2020-01-16

CHECK-IN AND CHECK-OUT ENTRY MADED SUCCESSFULLY !

             1--->Enter Customer Details
             2--->Booking Record
             3--->Calculate Room Rent
             4--->Calculate Restaurant Bill
             5--->Calculate Gaming Bill
             6--->Calculate Fashion store Bill
             7--->Display Customer Details
             8--->GENERATE TOTAL BILL AMOUNT
             9--->GENERATE OLD BILL
             10--->EXIT
Enter Your Choice

                                                        Ln: 61  Col: 0
```

ROOM RENT

```
            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice3
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com')]

 ##### We have The Following Rooms For You #####
 1.  Ultra Royal  ----> 10000 Rs.
 2.  Royal        ----> 5000 Rs.
 3.  Elite        ----> 3500 Rs.
 4.  Budget       ----> 2500 USD
Enter Your Option  : 1
Enter Customer Room No  :   420
Enter No. Of Days       :   6

Ultra Royal Room Rent  :   60000
Thank You ,  Your Room Has Been Booked For :   6 Days
Your Total Room Rent is  : Rs.   60000

            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice
```

RESTAURENT BILL

File   Edit   Shell   Debug   Options   Window   Help

```
            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice4
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com')]
1.  Vegetarian Combo                      -----> 300 Rs.
2.  Non-Vegetarian Combo                  -----> 500 Rs.
3.  Vegetarian & Non-Vegetarian Combo -----> 750 Rs.
Enter Your Cusine :  3
Enter Quantity :   2

SO YOU HAVE ORDER:  Vegetarian & Non-Vegetarian Combo
Your Total Bill Amount Is  : Rs.    1500


****  WE HOPE YOU WILL ENJOY YOUR MEAL  ***



            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice
```

Ln: 111   Col: 0

GAMING BILL

```
                9--->GENERATE OLD BILL
                10--->EXIT
Enter Your Choice5
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabestian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]

                1.   Table Tennis          -----> 150 Rs./HR
                2.   Bowling               -----> 100 Rs./HR
                3.   Snooker               -----> 250 Rs./HR
                4.   VR World Gaming       -----> 400 Rs./HR
                5.   Video Games           -----> 300 Rs./HR
                6.   Swimming Pool Games -----> 350 Rs./HR
                7.   Exit

Enter What Game You Want To Play  :  4
Enter No Of Hours You Want To Play  :  2


#################################################
YOU HAVE SELECTED TO PLAY  :  VR World Gaming
Your Total Gaming Bill Is :  Rs.  800
FOR  :  2   HOURS
 *** WE HOPE YOU WILL ENJOY YOUR GAME ***


#################################################
                1--->Enter Customer Details
                2--->Booking Record
                3--->Calculate Room Rent
                4--->Calculate Restaurant Bill
                5--->Calculate Gaming Bill
                6--->Calculate Fashion store Bill
                7--->Display Customer Details
                8--->GENERATE TOTAL BILL AMOUNT
                9--->GENERATE OLD BILL
                10--->EXIT
Enter Your Choice
```

FASHION STORE BILL

```
                   7--->Display Customer Details
                   8--->GENERATE TOTAL BILL AMOUNT
                   9--->GENERATE OLD BILL
                   10--->EXIT
Enter Your Choice6
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabestian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]


              1.  Shirts          -----> 1500 Rs.
              2.  T-Shirts        -----> 300 Rs.
              3.  Pants           -----> 2000 Rs.
              4.  Jeans           -----> 4000 Rs.
              5.  Tassel top      -----> 500 Rs.
              6.  Gown            -----> 3000 Rs.
              7.  Western dress -----> 3000 Rs.
              8.  Skirts          -----> 400 Rs.
              9.  Trousers        -----> 200 Rs.
              10. InnerWear       -----> 30 Rs.



Enter the your Choice wear: 7
How many you want to buy: 1


Western dress



################################################

YOU SELECT ITEM NO :    7
YOUR QUANTITY IS  :    1    ITEMS
THANK YOU FOR SHOPPING VISIT AGAIN!!!


Your Total Bill Is :    3000



################################################

              1--->Enter Customer Details
```

DETAILS OF THE CUSTOMER

```
*Python 3.7.3 Shell*                                    —  □  ×

File  Edit  Shell  Debug  Options  Window  Help

##################################################

YOU SELECT ITEM NO :    7
YOUR QUANTITY IS   :    1    ITEMS
THANK YOU FOR SHOPPING VISIT AGAIN!!!

Your Total Bill Is :    3000


##################################################

            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice7
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabestian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]

            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice

                                                    Ln: 219  Col: 17
```

TOTAL BILL

```
            10--->EXIT
Enter Your Choice7
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabestian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]

            1--->Enter Customer Details
            2--->Booking Record
            3--->Calculate Room Rent
            4--->Calculate Restaurant Bill
            5--->Calculate Gaming Bill
            6--->Calculate Fashion store Bill
            7--->Display Customer Details
            8--->GENERATE TOTAL BILL AMOUNT
            9--->GENERATE OLD BILL
            10--->EXIT
Enter Your Choice8
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabestian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]
Enter Customer Name  :  Suzy Sabestian

 **** CROWN PLAZA MIAMI **** CUSTOMER BIILING ****

 CUSTOMER NAME :  Suzy Sabestian

ROOM RENT          :  Rs.   60000

RESTAURENT BILL  :  Rs.   1500

FASHION BILL     :  Rs.   3000

GAMING BILL      :  Rs.   800
_____

TOTAL AMOUNT     :  Rs.   65300

            1--->Enter Customer Details
```

OLD BILL

```
ROOM RENT           :   Rs.    60000

RESTAURENT BILL     :   Rs.    1500

FASHION BILL        :   Rs.    3000

GAMING BILL         :   Rs.    800
_____

TOTAL AMOUNT        :   Rs.    65300

              1--->Enter Customer Details
              2--->Booking Record
              3--->Calculate Room Rent
              4--->Calculate Restaurant Bill
              5--->Calculate Gaming Bill
              6--->Calculate Fashion store Bill
              7--->Display Customer Details
              8--->GENERATE TOTAL BILL AMOUNT
              9--->GENERATE OLD BILL
              10--->EXIT
Enter Your Choice9
ENTER CUSTOMER ID  :  C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabestian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]
[('C101', 'Suzy Sabestian', 60000, 1500, 800, 3000, 65300)]

              1--->Enter Customer Details
              2--->Booking Record
              3--->Calculate Room Rent
              4--->Calculate Restaurant Bill
              5--->Calculate Gaming Bill
              6--->Calculate Fashion store Bill
              7--->Display Customer Details
              8--->GENERATE TOTAL BILL AMOUNT
              9--->GENERATE OLD BILL
              10--->EXIT
Enter Your Choice
```

EXIT

```
Python 3.7.3 Shell                                              —    □    ×

File  Edit  Shell  Debug  Options  Window  Help

ROOM RENT          :   Rs.     60000

RESTAURENT BILL    :   Rs.     1500

FASHION BILL       :   Rs.     3000

GAMING BILL        :   Rs.     800
_____

TOTAL AMOUNT       :   Rs.     65300

              1--->Enter Customer Details
              2--->Booking Record
              3--->Calculate Room Rent
              4--->Calculate Restaurant Bill
              5--->Calculate Gaming Bill
              6--->Calculate Fashion store Bill
              7--->Display Customer Details
              8--->GENERATE TOTAL BILL AMOUNT
              9--->GENERATE OLD BILL
              10--->EXIT
Enter Your Choice9
ENTER CUSTOMER ID  :   C101
[('C101', 'Suzy Sabestian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabestian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]
[('C101', 'Suzy Sabestian', 60000, 1500, 800, 3000, 65300)]

              1--->Enter Customer Details
              2--->Booking Record
              3--->Calculate Room Rent
              4--->Calculate Restaurant Bill
              5--->Calculate Gaming Bill
              6--->Calculate Fashion store Bill
              7--->Display Customer Details
              8--->GENERATE TOTAL BILL AMOUNT
              9--->GENERATE OLD BILL
              10--->EXIT
Enter Your Choice10
>>>

                                                            Ln: 265  Col: 4
```
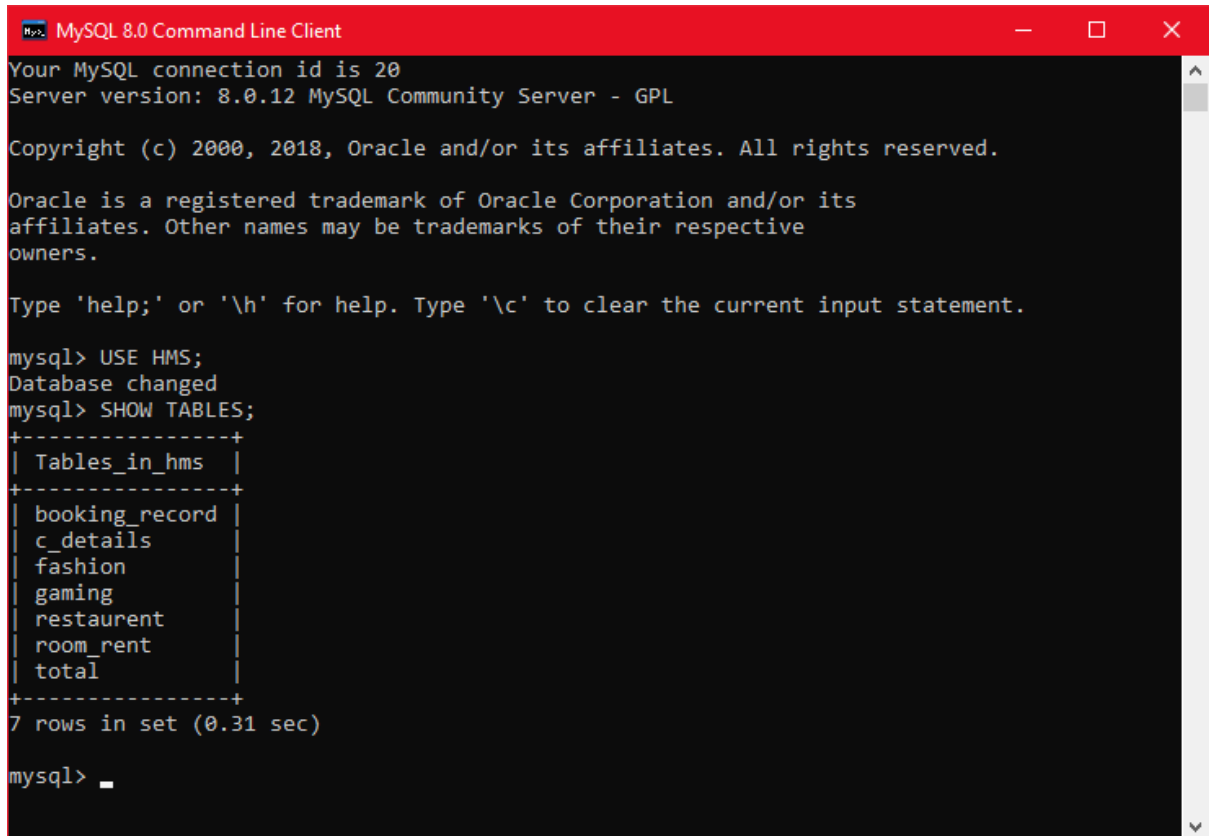
MYSQL DATABASE AND TABLES USED IN THIS PROJECT

DATABASE

TABLE STRUCTURE 1 AND 2

```
MySQL 8.0 Command Line Client                                    —    □    ×

+----------------+
7 rows in set (0.31 sec)

mysql> DESCRIBE BOOKING_RECORD;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| CID        | varchar(20) | YES  |     | NULL    |       |
| CHECK_IN   | date        | YES  |     | NULL    |       |
| CHECK_OUT  | date        | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.10 sec)

mysql> DESCRIBE C_DETAILS;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| CID        | varchar(20) | YES  |     | NULL    |       |
| C_NAME     | varchar(30) | YES  |     | NULL    |       |
| C_ADDRESS  | varchar(30) | YES  |     | NULL    |       |
| C_AGE      | varchar(30) | YES  |     | NULL    |       |
| C_COUNTRY  | varchar(30) | YES  |     | NULL    |       |
| P_NO       | varchar(30) | YES  |     | NULL    |       |
| C_EMAIL    | varchar(30) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
7 rows in set (0.02 sec)

mysql>
```

TABLE STRUCTURE 3 AND 4

```
MySQL 8.0 Command Line Client                                    —    □    ×

7 rows in set (0.02 sec)

mysql> DESCRIBE FASHION;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| CID    | varchar(20) | YES  |     | NULL    |       |
| DRESS  | varchar(30) | YES  |     | NULL    |       |
| AMOUNT | varchar(30) | YES  |     | NULL    |       |
| BILL   | varchar(30) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> DESCRIBE GAMING;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| CID         | varchar(20) | YES  |     | NULL    |       |
| GAMES       | varchar(30) | YES  |     | NULL    |       |
| HOURS       | varchar(30) | YES  |     | NULL    |       |
| GAMING_BILL | varchar(30) | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql>
```

TABLE STRUCTURE 5 AND 6

```
mysql
                                                              —   □   ×

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

mysql> USE HMS;
Database changed
mysql> DESCRIBE ROOM_RENT;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| CID         | varchar(20) | YES  |     | NULL    |       |
| ROOM_CHOICE | int(11)     | YES  |     | NULL    |       |
| NO_OF_DAYS  | int(11)     | YES  |     | NULL    |       |
| ROOMNO      | int(11)     | YES  |     | NULL    |       |
| ROOMRENT    | int(11)     | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
5 rows in set (1.52 sec)

mysql> DESCRIBE RESTAURENT;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| CID      | varchar(20) | YES  |     | NULL    |       |
| CUISINE  | varchar(30) | YES  |     | NULL    |       |
| QUANTITY | varchar(30) | YES  |     | NULL    |       |
| BILL     | varchar(30) | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
4 rows in set (0.10 sec)

mysql>
```

TABLE STRUCTURE 7

```
Select mysql
                                                              —   □   ×

+-----------+-------------+------+-----+---------+-------+
4 rows in set (0.10 sec)

mysql> DESCRIBE TOTAL;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| CID           | varchar(20) | YES  |     | NULL    |       |
| C_NAME        | varchar(30) | YES  |     | NULL    |       |
| ROOMRENT      | int(11)     | YES  |     | NULL    |       |
| RESTAURENTBILL| int(11)     | YES  |     | NULL    |       |
| GAMINGBILL    | int(11)     | YES  |     | NULL    |       |
| FASHIONBILL   | int(11)     | YES  |     | NULL    |       |
| TOTALAMOUNT   | int(11)     | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
7 rows in set (0.04 sec)

mysql>
```

BACKEND DATA GENERATED THROUGH SOFTWARE

```
MySQL 8.0 Command Line Client                                    —    □    ×
| TOTALAMOUNT     | int(11)      | YES  |     | NULL    |        |
+----------------+--------------+------+-----+---------+--------+
7 rows in set (0.00 sec)

mysql> SELECT * FROM C_DETAILS;
+------+----------------+------------------+-------+-----------+-------------+------------
--------+
| CID  | C_NAME         | C_ADDRESS        | C_AGE | C_COUNTRY | P_NO        | C_EMAIL
      |
+------+----------------+------------------+-------+-----------+-------------+------------
--------+
| C101 | Suzy Sabestian | 45 street won    | 25    | Australia | 76789-32456 | Suzy123@gm
ail.com |
| C101 | Suzy Sabestian | 45 street won    | 25    | Australia | 76789-32456 | Suzy123@gm
ail.com |
| C102 | Harry Potter   | Hogwarts         | 29    | USA       | 78906-23456 | Harry34@gm
ail.com |
| C103 | Emma Watson    | 23 pine street   | 28    | Canada    | 76549-45678 | Emma2345@g
mail.com |
| C104 | Selena Gomez   | 228 Park Ave     | 26    | USA       | 74325-12121 | Selena45@g
mail.com |
| C105 | Justin Bieber  | new pine street  | 24    | USA       | 74256-67654 | justbib@gm
ail.com |
+------+----------------+------------------+-------+-----------+-------------+------------
--------+
6 rows in set (0.00 sec)

mysql> _
```

BACKEND DATA GENERATED THROUGH SOFTWARE

```
MySQL 8.0 Command Line Client                                    —    □    ×
mysql> SELECT * FROM BOOKING_RECORD;
+------+------------+------------+
| CID  | CHECK_IN   | CHECK_OUT  |
+------+------------+------------+
| C101 | 2020-01-11 | 2020-01-16 |
| C101 | 2020-01-11 | 2020-01-16 |
| C102 | 2020-01-06 | 2020-01-08 |
| C103 | 2019-12-25 | 2019-12-31 |
| C104 | 2020-01-01 | 2020-01-05 |
| C105 | 2020-02-14 | 2020-02-16 |
+------+------------+------------+
6 rows in set (0.00 sec)

mysql> SELECT * FROM ROOM_RENT;
+------+-------------+------------+--------+----------+
| CID  | ROOM_CHOICE | NO_OF_DAYS | ROOMNO | ROOMRENT |
+------+-------------+------------+--------+----------+
| C101 |           1 |          6 |    420 |    60000 |
| C101 |           1 |          6 |    420 |    60000 |
| C102 |           2 |          3 |    520 |    15000 |
| C103 |           1 |          7 |    620 |    70000 |
| C104 |           1 |          5 |    820 |    50000 |
| C105 |           1 |          3 |    345 |    30000 |
+------+-------------+------------+--------+----------+
6 rows in set (0.00 sec)

mysql>
```

BACKEND DATA GENERATED THROUGH SOFTWARE

```
7 rows in set (0.07 sec)

mysql> SELECT * FROM FASHION;
+------+-------+--------+------+
| CID  | DRESS | AMOUNT | BILL |
+------+-------+--------+------+
| C101 | 5     | 2      | 1000 |
| C102 | 8     | 1      | 400  |
| C103 | 9     | 2      | 400  |
| C104 | 4     | 1      | 4000 |
| C105 | 10    | 1      | 30   |
+------+-------+--------+------+
5 rows in set (0.00 sec)

mysql> SELECT * FROM GAMING;
+------+-------+-------+-------------+
| CID  | GAMES | HOURS | GAMING_BILL |
+------+-------+-------+-------------+
| C101 | 2     | 1     | 100         |
| C102 | 4     | 2     | 800         |
| C103 | 3     | 2     | 500         |
| C104 | 4     | 2     | 800         |
| C105 | 6     | 3     | 1050        |
+------+-------+-------+-------------+
5 rows in set (0.01 sec)

mysql>
```

BACKEND DATA GENERATED THROUGH SOFTWARE

```
| BILL     | varchar(30) | YES |     | NULL     |     |
+----------+-------------+-----+-----+----------+-----+
4 rows in set (0.99 sec)

mysql> SELECT * FROM RESTAURENT;
+------+---------+----------+------+
| CID  | CUISINE | QUANTITY | BILL |
+------+---------+----------+------+
| C101 | 3       | 2        | 1500 |
| C101 | 3       | 2        | 1500 |
| C102 | 2       | 1        | 500  |
| C103 | 2       | 2        | 1000 |
| C104 | 2       | 3        | 1500 |
| C105 | 3       | 4        | 3000 |
+------+---------+----------+------+
6 rows in set (0.18 sec)

mysql>
```

BACKEND DATA GENERATED THROUGH SOFTWARE


```
| C104 | 2       | 3       | 1500 |
| C105 | 3       | 4       | 3000 |
+------+---------+---------+------+
6 rows in set (0.00 sec)

mysql> SELECT * FROM  TOTAL;
+------+----------------+----------+---------------+-------------+-------------+
-------------+
| CID  | C_NAME         | ROOMRENT | RESTAURENTBILL | GAMINGBILL | FASHIONBILL |
 TOTALAMOUNT |
+------+----------------+----------+---------------+-------------+-------------+
-------------+
| C101 | Suzy Sabestian |    60000 |          1500 |        800 |        3000 |
       65300 |
| C102 | Harry Potter   |    15000 |           500 |        800 |        1500 |
       17800 |
| C103 | Emma Watson    |    70000 |          1000 |        350 |           0 |
       71350 |
| C104 | Selena Gomez   |    50000 |          1500 |        100 |        6000 |
       57600 |
| C105 | Justin Bieber  |    30000 |          3000 |        900 |       12000 |
       45900 |
+------+----------------+----------+---------------+-------------+-------------+
-------------+
5 rows in set (0.00 sec)

mysql>
```

References

1. python.org

2. Code Academy

3. tutorialsPoint.com

4. PythonChallenge.com

5. Google's Python Class

6. LearnPython.org

7. layak.in