# HOTEL MANAGEMENT SYSTEM

Roll No. : 9

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Subject: Computer Science

Subject Code: 083

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# CERTIFICATE

# **<u>Acknowledgements</u>**

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# **<u>Contents</u>**

# Introduction of the Project

**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

# 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

```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
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
```

# 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 ==========



 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
l)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========= RESTART: C:\Users\KV-27\Desktop\HOTEL_MANAGEMENT_SYSTEM.py =========

 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                                                   v
                                                         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

```
              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
```

# 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

```
*Python 3.7.3 Shell*                                          □    ×

File  Edit  Shell  Debug  Options  Window  Help
            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               v
                                            Ln: 182  Col: 0
```

# 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
```

Ln: 264  Col: 17

# EXIT

```
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
>>>
```
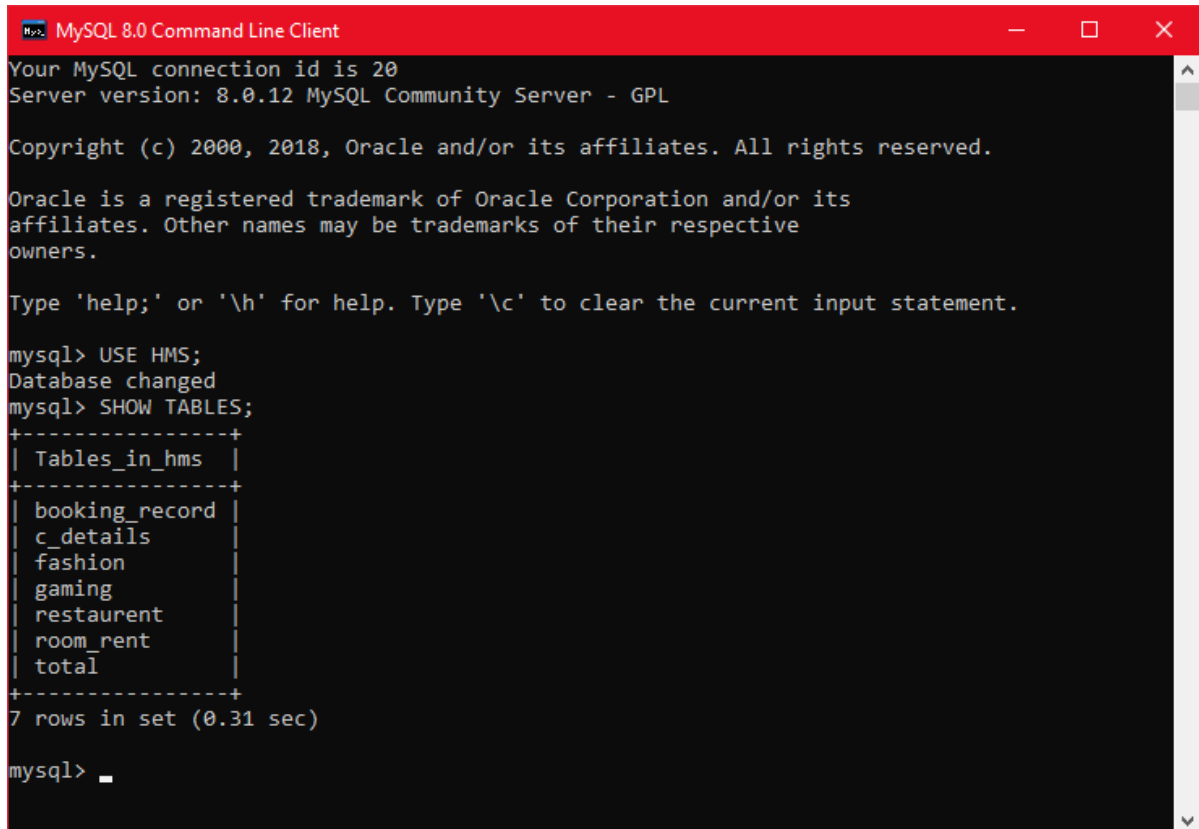
# MYSQL DATABASE AND TABLES USED IN THIS PROJECT

# DATABASE

# TABLE STRUCTURE 1 AND 2

```
+----------------+
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

```
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

```
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

```
+---------------+-------------+------+-----+---------+-------+
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

```
      mysql                                           —    □    ×
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*

```
      mysql                                           —    □    ×
| 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*

```
Hy>_ mysql                                                    —    □    ×
| 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> _
```

# <u>References</u>

1. python.org

2. Code Academy

3. tutorialsPoint.com

4. PythonChallenge.com

5. Google's Python Class

6. LearnPython.org

7. layak.in