



# **HOTEL MANAGEMENT SYSTEM**

A Project Report Submitted  
in Partial Fulfillment of the  
Requirements

**AISSCE - All India Senior School Certificate  
Examination  
2020-2021: SCIENCE – XII C**

In  
**COMPUTER SCIENCE (083)**

By: SAURAV KUMAR CLASS XII C ROLL NO.: -33

**KENDRIYA VIDYALAYA GANNIPUR, MUZAFFARPUR, BIHAR  
APRIL 2021**

## **UNDERTAKING**

We declare that the work presented in this project titled "HOTEL MANAGEMENT SYSTEM", submitted to B.R SINGH SIR PGT-Computer Science Kendriya Vidyalaya Gannipur, Muzaffarpur 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 In case this undertaking is found incorrect, we accept that our Certificates may be unconditionally withdrawn.

April, 2021  
Place: Kendriya Vidyalaya Gannipur, Muzaffarpur

By: SAURAV KUMAR

CLASS XII C

ROLL NO.: -33

## **CERTIFICATE**

This is Certified that the work contained in the project titled “HOTEL MANAGEMENT SYSTEM”, by: “SAURAV KUMAR”, has been carried out under my supervision and that this work has not been submitted elsewhere for a AISSE certificate.

B.R SINGH  
PGT-Computer Science  
Kendriya Vidyalaya,  
Gannipur, Muzaffarpur

## Acknowledgements

We would like to thank Sh. Sanjeev Kumar Sinha, Principal Kendriya Vidyalaya Gannipur, Muzaffarpur. We are deeply indebted to our mentor Sh. B.R SINGH SIR. We further thank to all the staff members of Kendriya Vidyalaya Gannipur, Muzaffarpur. 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.

SAURAV KUMAR CLASS XII C ROLL NO.: -33

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## Introduction of the Project

I am SAURAV KUMAR the student of CLASS XII C of KENDRIYA VIDYALAYA GANNIPUR, MUZAFFARPUR have been assigned the work of HOTEL MANAGEMENT SYSTEM.

I perform this task by the help of our mentor B.R SINGH SIR who continuously guide and support me in this project.

B.R SINGH SIR, has been regularly monitoring my work of coding and programming and also 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 has been assigned to us, yet we haven't done this work before .SH. B.R SINGH SIR our subject teacher has 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. SANJEEV KUMAR SINHA for providing us various facilities to complete this project.

As we are the students of CLASS XII C 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 .

I also thankful to our classmates for cooperating me while performing this task we have also polished the skills of group activity.  
PROCESS

FIRSTLY, I have done the planning in a paper work regarding what have to do on the assigned projectHOTEL  
MANAGEMENT SYSTEM.

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

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

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

NEXT, I 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 MUZAFFARPUR \*\*\*\*\*

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

##### AGHORIYA BAZAR #####

\*\*\*\*\*Designed and Maintained By :"

\*\*\*\*\*SAURAV KUMAR - CLASS XII C - ROLL NO -33 [2020-

2021]"

```
import mysql.connector # GLOBAL
```

```
VARIABLES DECLARATION myConnection
```

```
=""" 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' )
```

```

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)

```

```

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,%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")

```

```

print("\nCHECK-IN AND CHECK-OUT ENTRY MADE 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

```

```

        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 : "))

```

```

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))

```

```

        """ 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

```

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")
```

```

        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

```

```

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,%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 BILLING ****")

    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,))

```

```
data=cursor.fetchall()

if data:

    print(data)

else:

    print("Record Not Found Try Again !")

cursor.close()

else:

    print("\nSomething 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("\nSomething Went Wrong ,Please Try Again !")
```

```

print("""
*****KENDRIYA VIDYALAYA GANNIPUR,MUZAFFARPUR *****
*****HOTEL MANAGEMENT SYSTEM *****
*****CROWN PLAZA MIAMI *****
#***** Designed and Maintained By: *****
#*****SAURAV KUMAR - CLASS XII A - ROLL NO - 33[ 2020-2021 ]*****

""")

```

```

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()

```

```
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.

# 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 : Suzyl23@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 Sabastian', '45 street won', '25', 'Australia', '76789-32456', '
Suzyl23@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 MADE 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

```
*Python 3.7.3 Shell*
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 Choice3
ENTER CUSTOMER ID : C101
[('C101', 'Suzy Sabastian', '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|
```

Ln: 88 Col: 0

# RESTAURENT BILL

```
*Python 3.7.3 Shell*
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 Sabastian', '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

```
*Python 3.7.3 Shell*
File Edit Shell Debug Options Window Help

    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|
```

Ln: 145 Col: 0

## 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 Sabastian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabastian', '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
```

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

```
*Python 3.7.3 Shell*
File Edit Shell Debug Options Window Help
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 BILLING ****

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
Ln: 223 Col: 0
```

## OLD BILL

```
*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 Sabastian', '45 street won', '25', 'Australia', '76789-32456', '
Suzy123@gmail.com'), ('C101', 'Suzy Sabastian', '45 street won', '25', 'Australi
a', '76789-32456', 'Suzy123@gmail.com')]
[('C101', 'Suzy Sabastian', 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

```
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)]

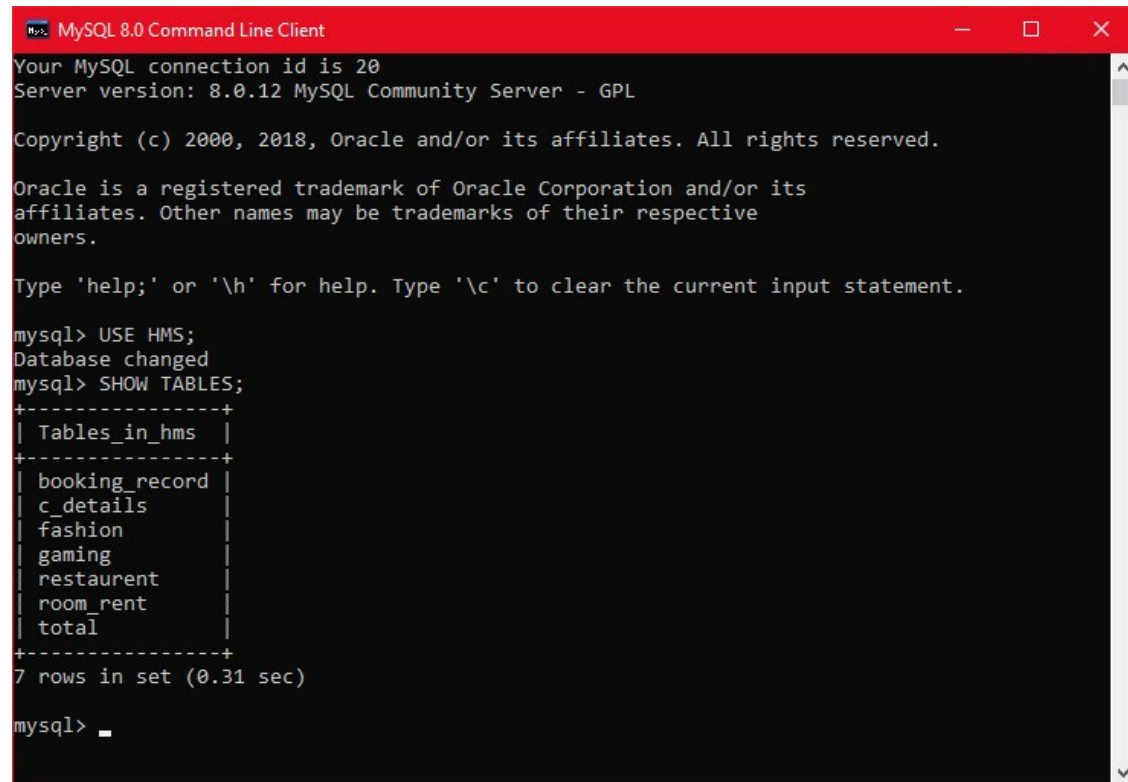
1--->Enter Customer Details
2--->Booking Record
3--->Calculate Room Rent
4--->Calculate Restaurant Bill
5--->Calculate Gaming Bill
6--->Calculate Fashion store Bill
7--->Display Customer Details
8--->GENERATE TOTAL BILL AMOUNT
9--->GENERATE OLD BILL
10--->EXIT
Enter Your Choice10
>>> |
```

Ln: 265 Col: 4



## MYSQL DATABASE AND TABLES USED IN THIS PROJECT

### DATABASE



The screenshot shows a terminal window titled "MySQL 8.0 Command Line Client". The output text is as follows:

```
mysql> USE HMS;
Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_hms |
+-----+
| booking_record |
| c_details      |
| fashion        |
| gaming         |
| restaurent     |
| room_rent      |
| total          |
+-----+
7 rows in set (0.31 sec)

mysql> _
```

## 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 statement.

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@gmail.com |
| C101 | Suzy Sabestian | 45 street won | 25 | Australia | 76789-32456 | Suzy123@gmail.com |
| C102 | Harry Potter | Hogwarts | 29 | USA | 78906-23456 | Harry34@gmail.com |
| C103 | Emma Watson | 23 pine street | 28 | Canada | 76549-45678 | Emma2345@gmail.com |
| C104 | Selena Gomez | 228 Park Ave | 26 | USA | 74325-12121 | Selena45@gmail.com |
| C105 | Justin Bieber | new pine street | 24 | USA | 74256-67654 | justbib@gmail.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> 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> 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

```
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 Sabastian | 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](https://python.org)
2. Code Academy
3. [tutorialspoint.com](https://tutorialspoint.com)
4. [PythonChallenge.com](https://pythonchallenge.com)
5. Google's Python Class
6. [LearnPython.org](https://learnpython.org)
7. [layak.in](https://layak.in)