HOTEL MANAGEMENT SYSTEM
COMPUTER SCIENCE

ACKNOWLEDGEMENT

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I express a deep sense of gratitude to The almighty God for giving my crew and me in the successful completion of the project.

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INTRODUCTION

"The Hotel Management System" is a program which allows users to book rooms for their stay at the residence and store the details of the customers. It also allows the management of the hotel to view the hotel records.

This program was created with the help of Python Programming Language and MYSQL database. Modules such as pickle, random, time has been used. We had installed packages such as pip in order to connect the source code to the MYSQL database. The import mysql.connector played a role in establishing the connection.

The programs interprets a series of options in order for the customer with no foresight about programming to operate the program. The options include Inserting, Deleting, Searching, Editing and Displaying the records entered by the user. There is an option for displaying the whole records of the hotel and exporting the records to the file and printing the records from the file. This option can be accessed by authorised personnel only and thus its encrypted with password in order to access the records.

The goal of this program is to put use of the programming knowledge as well as a safe and user friendly software for the the user to use.

OBJECTIVES OF THE PROJECT

The objective of this project is to let the students apply the programming knowledge into a real- world situation/problem and exposed the students how programming skills helps in developing a good software.

1. Write programs utilising modern software tools.
2. Apply object oriented programming principles effectively when developing small to medium sized projects.
3. Write effective procedural code to solve small to medium sized problems.
4. Students will demonstrate a breadth of knowledge in computer science, as exemplified in the areas of systems, theory and software development.
5. Students will demonstrate ability to conduct a research or applied Computer Science project, requiring writing and presentation skills which exemplify scholarly style in computer science.

SOFTWARE DEVELOPMENT CYCLE

The software development life cycle is a project management technique that divides complex projects into fragmented, more easily managed segments or phases. Segmenting projects allows managers to verify the successful completion of project phases before allocating resources to subsequent phases.

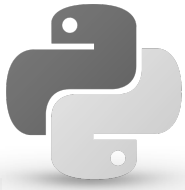
Software development projects typically include initiation, planning, implementation, design, development, testing, evaluation and maintenance phases. However, the phases may be divided differently depending on the organisation involved.

End users of the system under development should be involved in reviewing the output of each phase to ensure the system is being built to deliver the needed functionality.

HARDWARE REQUIREMENTS		
1	OPERATING SYSTEM	WINDOWS 7 AND ABOVE, MAC OS CATALINA AND ABOVE
2	PROCESSOR	INTEL CORE, AMD RYZEN, APPLE SILICON (M1 & M2)
3	MOTHERBOARD	Logic Board - 3.2 GHz 8 GB/256 GB - 2020 A2338 OR Prime H410M-CS LGA 1200 OR Micro-ATX OR MSI A520M-A PRO
4	RAM	512MB+
5	HARD DISK	SATA 2.5 SSD 120+ OR MACINTOSH HD
6	STORAGE	64GB+
7	MONTOR	13 INCH OR ABOVE
8	OTHERS	KEYBOARD, MOUSE AND PRINTER

SOFTWARE REQUIREMENTS	
1	WINDOWS OS OR MAC OS
2	PYTHON
3	MYSQL
4	PIP PACKAGES FOR MYSQL CONNECTOR SHOULD BE INSTALLED

ABOUT PYTHON



PYTHON - Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together. Python's simple, easy to learn syntax emphasises readability and therefore reduces the cost of program maintenance. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

ABOUT MYSQL

MYSQL - MySQL is a relational database management system.Databases are the essential data repository for all software applications. A relational database stores data in separate tables rather than putting all the data in one big storeroom. The database structure is organised into physical files optimised for speed. The logical data model, with objects such as data tables, views, rows, and columns, offers a flexible programming environment. You set up rules governing the relationships between different data fields, such as one to one, one to many, unique, required, or optional, and “pointers” between different tables. The database enforces these rules so that with a well-designed database your application never sees data that’s inconsistent, duplicated, orphaned, out of date, or missing.

PROJECT DESCRIPTION

This program consists of a table containing the details of 20 customers who has booked the hotel. The table holds the customers Booking ID / Customer ID, Customer name, Check IN date, Check OUT date, Room ID, price of the Booked Room, number of of days at the hotel. When the customer runs the program, a menu of 7 options are given for the customer to choose. The 7 options include -

1. Booking of the hotel room -
This function enables the customer to enter the details of the customer and inserts the details into the table and generates a random number for the customer's Booking Reference ID.

2. Cancelling the booking of a customer -
This function removes the details of the customer when the customer enters their Booking Reference ID(Customer ID)

3. Search for the details of a booking -
This function returns the details of the customer when the user enter the Booking Reference ID.

4. Edit the details of a booking -
This function asks the customers for the changes to be made in the booking and edits the details in the table.

5. To display the hotel records of the entire customers -
This function displays all the records of the customers who has booked a room in the hotel. This can be accessed by entering the password only

6. Exporting the list of hotel records into a file -
This function inserts all the records into a file and there after displays every record from the file. This can be accessed by entering the password only.

7. Exiting the program -
This functions ends the program with a following salutation.

#SOURCE CODE

```
#importing mysql connector and naming as mycon
import mysql.connector as mycon
#importing pickle module
import pickle
#import random module
import random



#establishing connection with MYSQL
try:
        conn=mycon.connect(host = "localhost" , user = "root" , password="yourpasswd")
        print("Connected")
except:
        print("Connection Error")

password1=12345678
#Establishing connection with the cursor to execute SQL statements
cur=conn.cursor()

#Creating a database and dropping the database in case the database already exists
try:
    cur.execute("create database hotelmanagement")
    cur.execute("use hotelmanagement")
except:
        cur.execute("drop database hotelmanagement")
        cur.execute("create database hotelmanagement")
        cur.execute("use hotelmanagement")




#Creating table hotel_records to store the records of customers
cur.execute("create table HOTEL_RECORDS(Cust_ID int primary key unique, Cust_Name
varchar(40), Check_IN date, Check_Out date, Room_ID int, Room_Price int, No_of_Days int );")

#inserting values into the table of hotel_records

cur.execute("insert into HOTEL_RECORDS values(1001, 'Thomas Shelby', '2022/10/31',
'2022/11/02', 101, 2000, 2);")
cur.execute("insert into HOTEL_RECORDS values(1002, 'Sandra
Bullock','2022/10/31','2022/11/01', 102, 1000, 1);")
cur.execute("insert into HOTEL_RECORDS values(1003, 'Emmanuel
Thomas','2022/10/31','2022/11/03', 105, 3000, 3);")
cur.execute("insert into HOTEL_RECORDS values(1004, 'Vicky Mohan', '2022/10/31','2022/11/01',
106, 1000, 1);")
cur.execute("insert into HOTEL_RECORDS values(1005, 'Andy Samberg','2022/10/31','2022/11/02',
107, 2000, 2)")
cur.execute("insert into HOTEL_RECORDS values(1006, 'Pravan Raj','2022/10/31','2022/11/04',
108, 4000, 4)")
cur.execute("insert into HOTEL_RECORDS values(1007, 'Scaria
Fernandes','2022/10/31','2022/11/02', 110, 2000, 2)")
cur.execute("insert into HOTEL_RECORDS values(1008, 'Maria S','2022/10/31','2022/11/01', 120,
1000, 1)")
```

```
cur.execute("insert into HOTEL_RECORDS values(1009, 'Albin Pinoybalakumar
M.S.K','2022/10/31','2022/11/03', 122, 3000, 3)")
cur.execute("insert into HOTEL_RECORDS values(1010, 'Harikeshan
R.M','2022/10/31','2022/11/02', 123, 2000,2)")
cur.execute("insert into HOTEL_RECORDS values(1011, 'Leo S.','2022/10/31','2022/11/01', 125,
1000, 1)")
cur.execute("insert into HOTEL_RECORDS values(1012, 'Hithesh
Vazhyamen','2022/10/31','2022/11/02', 130, 2000, 2)")
cur.execute("insert into HOTEL_RECORDS values(1013, 'Jefferey
Richford','2022/10/31','2022/11/06', 140, 6000, 6)")
cur.execute("insert into HOTEL_RECORDS values(1014, 'Samuel
Wozowski','2022/10/31','2022/11/02', 154, 2000,2)")
cur.execute("insert into HOTEL_RECORDS values(1015, 'Anupam Baby
Jr.','2022/10/31','2022/11/01', 169, 1000, 1)")
cur.execute("insert into HOTEL_RECORDS values(1016, 'Mohandas
Freds','2022/10/31','2022/11/02', 175, 2000,2)")
cur.execute("insert into HOTEL_RECORDS values(1017, 'Denny M. Greatruther
C.','2022/10/31','2022/11/01', 180, 1000, 1)")
cur.execute("insert into HOTEL_RECORDS values(1018, 'Alia Kiran','2022/10/31','2022/11/02', 189,
2000, 2)")
cur.execute("insert into HOTEL_RECORDS values(1019, 'Inglesias Fluffy','2022/10/31','2022/11/02',
195, 3000, 3)")
cur.execute("insert into HOTEL_RECORDS values(1020, 'Kenny Seb.','2022/10/31','2022/11/01',
210 , 1000, 1)")
cur.execute("insert into HOTEL_RECORDS values(1021, 'Rahul S.','2022/10/31','2022/11/01', 220,
1000, 1)")


#by this function we can fully enter the data given abpve in the SQL table
conn.commit()

def menu():
    while True:
            print("Welcome to CDE HOTEL & RECIDENCY\n")
            print("Choose one of the following options -- \n")
            print("Press 1 -- To Book for a Hotel Room ")
            print("Press 2 -- To Cancel a Booking")
            print("Press 3 -- To Search you booking")
            print("Press 4 -- To Edit the booking ")
            print("Press 5 -- To find the Hotel Records of Customers (FOR AUTHORISED
PERSONNEL ONLY)")
            print("Press 6 -- To Export the list of Hotel Records (FOR AUTHORISED PERSONNEL
ONLY)")
            print("Press 7 -- To Exit from this program\n")
            c=int(input("Enter your Choice --  "))
            if c==1:
                Book_Room()
            elif c == 2:
                Cancel_Room()
            elif c == 3:
                Search_Book()
            elif c == 4:
                Edit_Book()
            elif c == 5:
                Display_Record()
            elif c == 6:
                export_record()
            elif c == 7:
```

```
                print("Are you sure you want to leave?\n")
                dc=input("Press enter to conitinue.\n")
                print("THANK YOU FOR VISITING CDE HOTELS, HOPE YOU HAD A WONDERFUL
                TIME")

                break
            else:
                print("Invalid Choice")

def Book_Room():
    try:
        Cust_ID=random.randint(1000,10000)
        Name=input("Please ENTER your name -- ")
        Check_in=input("Enter the CHECK-IN date (Format - YYYY/MM/DD -- ")
        Check_out=input("Enter the CHECK-OUT date (Format - YYYY/MM/DD -- ")
        Room_Id=int(input("Enter the Room ID you choose -- "))
        Days_Stay=int(input("Enter the Number of days you are staying -- "))
        Room_Price=Days_Stay*1000
        listing=(Cust_ID, Name, Check_in, Check_out, Room_Id, Room_Price, Days_Stay)

        co="insert into Hotel_Records values(%s,%s,%s,%s,%s,%s,%s)"

        cur.execute(co,listing)
        conn.commit()
        print()
        print(" Please wait, your booking is processsing.....")
        print()
        import time
        time.sleep(3)
        print(" **CUSTOMER DETAILS ADDED SUCCESSFULLY** ")
        print()
        print(" GOING BACK TO MENU...\n")
        time.sleep(2)
        print()
        menu()
    except:
        mycon.error
        Cust_ID=random.randint(1000,10000)


def Cancel_Room():
        q="delete from hotel_records where Cust_ID=%s"
        cur.execute('select * from hotel_records')
        data=cur.fetchall()
        while True:
            uid=int(input('Enter the customer id:'))
            t=(uid,)
            for row in data:
                if uid==row[0]:
                    cur.execute(q,t)
                    conn.commit()
                    print()
                    print(" Successfully cancelled Booking")
                    print()
                    print(" GOING BACK TO MENU...\n")
                    import time
                    time.sleep(1)
                    return
```

```
            else:
                continue
            print('Invalid customer id!')



def Search_Book():

            while True:
                Id=int(input("Enter the Booking ID you want to search for -- "))
                da=(Id, )
                df="select Cust_ID, Cust_Name, Check_IN, Check_Out from hotel_records where
Cust_ID=%s;"
                cur.execute(df,da)
                data=cur.fetchall()
                for row in data:
                    if row[0]==Id:
                        print()
                        print("Please wait.... Fetching Result")
                        import time
                        time.sleep(2)
                        print("Customer ID -- ", row[0],
                            " Customer Name -- ", row[1],
                            "Check-IN Date -- ", row[2],
                            "Check-OUT Date -- ", row[3])
                        print()
                        fdr=input("Press Enter to return to Menu\n")
                        print(" GOING BACK TO MENU...\n")
                        import time
                        time.sleep(2)
                        return()
                    else:
                        pass
                print("Booking ID doesn't exist")

def Edit_Book():


        while True:
            Id=int(input("Enter your Customer id -- "))
            cur.execute('select * from hotel_records')
            data=cur.fetchall()
            for row in data:
                if row[0]==Id:
                    print("Customer ID - ",row[0],"Name - ", row[1], "Check_IN - ", row[2],
                    "Check_Out - ",row[3], "Room ID - ",row[4], "Room Price - ", row[5],
                        "No of days of stay - ", row[6])
                    print("Enter the new changes in the Booking")
                    name=input("Enter the new name -- ")
                    chck_in=input("Enter the check in date in the format (YYYY,MM,DD)")
                    chck_out=input("Enter the check out date in the format (YYYY,MM,DD)")
                    room_id1=int(input("Enter the room ID to be changed"))
                    days=int(input("Enter the No. of days to stay -- "))
                    room_price=days*1000
                    cst_id=Id
                    klist=(name, chck_in, chck_out, room_id1, room_price, days,cst_id)
```

```
                    cj="update hotel_records set Cust_Name=%s, Check_IN=%s, Check_Out=%s,
                    Room_ID=%s, Room_Price=%s, No_of_Days=%s where Cust_ID=%s"
                    cur.execute(cj,klist)
                    conn.commit()
                    print()
                    print("The Booking has been successfully edited\n")
                    print(" GOING BACK TO MENU...\n")
                    import time
                    time.sleep(2)
                    return

def Display_Record():
    passw=int(input("Enter the password to continue:"))
    if passw==password1:
        print("Successfully Authorised")

        cur.execute("select * from hotel_records")
        data=cur.fetchall()
        print()
        print("Printng Records....")
        print()
        import time
        time.sleep(3)
        for row in data:
            list(row)
            time.sleep(.1)
            print(" ",row,"\n")
    else:
        print()
        print("Password incorrect\n")
        print("GOING BACK TO MENU")
        import time
        time.sleep(1)

def export_record():
    passw=int(input("Enter the password to continue:"))
    bfile=open('hotelmanagement.dat','wb')
    cur.execute('select * from hotel_records')
    data=cur.fetchall()
    for i in data:
        k=list(i)
        pickle.dump(k,bfile)
    print('\nHotel Records successfully exported to File!')
    bfile.close()
    try:
        bfile=open('hotelmanagement.dat','rb')
        print('\nHOTEL RECORDS IN EXPORTED FILE\n')
        while True:
            g=pickle.load(bfile)
            print(" Customer ID --   ",   g[0]   ," Customer Name : ", g[1] ,"Check_IN -- "  , g[2] ,
              "Check_Out -- "  , g[3], "Room_ID -- ", g[4], "Room_Price -- ", g[5], "No_of_Days", g[6])
    except EOFError:
        pass

menu()
```

OUTPUT

THE MENU OF THE PROGRAM -

```
Connected
Welcome to CDE HOTEL & RECIDENCY

Choose one of the following options --

Press 1 -- To Book for a Hotel Room
Press 2 -- To Cancel a Booking
Press 3 -- To Search you booking
Press 4 -- To Edit the booking
Press 5 -- To find the Hotel Records of Customers (FOR AUTHORISED PERSONNEL ONLY)
Press 6 -- To Export the list of Hotel Records (FOR AUTHORISED PERSONNEL ONLY)
Press 7 -- To Exit from this program

Enter your Choice --
```

TO ENTER THE DETAILS TO INSERT INTO THE TABLE -

```
Welcome to CDE HOTEL & RECIDENCY

Choose one of the following options --

Press 1 -- To Book for a Hotel Room
Press 2 -- To Cancel a Booking
Press 3 -- To Search you booking
Press 4 -- To Edit the booking
Press 5 -- To find the Hotel Records of Customers (FOR AUTHORISED PERSONNEL ONLY)
Press 6 -- To Export the list of Hotel Records (FOR AUTHORISED PERSONNEL ONLY)
Press 7 -- To Exit from this program

Enter your Choice --  1
Please ENTER your name -- Connie
Enter the CHECK-IN date (Format - YYYY/MM/DD -- 2022/12/12
Enter the CHECK-OUT date (Format - YYYY/MM/DD -- 2022/12/22
Enter the Room ID you choose -- 245
Enter the Number of days you are staying -- 10

 Please wait, your booking is processsing.....

 **CUSTOMER DETAILS ADDED SUCCESSFULLY**

 GOING BACK TO MENU...
```

TO REMOVE THE DETAILS FROM A TABLE -

```
Welcome to CDE HOTEL & RECIDENCY

Choose one of the following options --

Press 1 -- To Book for a Hotel Room
Press 2 -- To Cancel a Booking
Press 3 -- To Search you booking
Press 4 -- To Edit the booking
Press 5 -- To find the Hotel Records of Customers (FOR AUTHORISED PERSONNEL ONLY)
Press 6 -- To Export the list of Hotel Records (FOR AUTHORISED PERSONNEL ONLY)
Press 7 -- To Exit from this program

Enter your Choice --  2
Enter the customer id:1012

 Successfully cancelled Booking

 GOING BACK TO MENU...
```

TO SEARCH A RECORD FROM THE TABLE -

```
Welcome to CDE HOTEL & RECIDENCY

Choose one of the following options --

Press 1 -- To Book for a Hotel Room
Press 2 -- To Cancel a Booking
Press 3 -- To Search you booking
Press 4 -- To Edit the booking
Press 5 -- To find the Hotel Records of Customers (FOR AUTHORISED PERSONNEL ONLY)
Press 6 -- To Export the list of Hotel Records (FOR AUTHORISED PERSONNEL ONLY)
Press 7 -- To Exit from this program

Enter your Choice --  3
Enter the Booking ID you want to search for -- 6649

Please wait.... Fetching Result
Customer ID --  6649  Customer Name --  Connie Check-IN Date --  2022-12-12 Check-OUT Date --  2022-12-22

Press Enter to return to Menu

 GOING BACK TO MENU...
```

TO EDIT A RECORD AND INPUT IT INTO THE TABLE -

```
Welcome to CDE HOTEL & RECIDENCY

Choose one of the following options --

Press 1 -- To Book for a Hotel Room
Press 2 -- To Cancel a Booking
Press 3 -- To Search you booking
Press 4 -- To Edit the booking
Press 5 -- To find the Hotel Records of Customers (FOR AUTHORISED PERSONNEL ONLY)
Press 6 -- To Export the list of Hotel Records (FOR AUTHORISED PERSONNEL ONLY)
Press 7 -- To Exit from this program

Enter your Choice --  4
Enter your Customer id -- 6649
Customer ID -  6649 Name -  Connie Check_IN -  2022-12-12 Check_Out -  2022-12-22 Room ID -  245 Room Price -  10000 No of days of stay -  10
Enter the new changes in the Booking
Enter the new name -- Sophia
Enter the check in date in the format (YYYY,MM,DD)2022/12/28
Enter the check out date in the format (YYYY,MM,DD)2022/12/30
Enter the room ID to be changed123
Enter the No. of days to stay -- 2

The Booking has been successfully edited

 GOING BACK TO MENU...
```

TO PRINT ALL THE RECORDS FROM THE TABLE -

```
Enter your Choice --  5
Enter the password to continue:12345678
Successfully Authorised

Printng Records....
  (1001, 'Thomas Shelby', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 101, 2000, 2)
  (1002, 'Sandra Bullock', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 102, 1000, 1)
  (1003, 'Emmanuel Thomas', datetime.date(2022, 10, 31), datetime.date(2022, 11, 3), 105, 3000, 3)
  (1004, 'Vicky Mohan', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 106, 1000, 1)
  (1005, 'Andy Samberg', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 107, 2000, 2)
  (1006, 'Pravan Raj', datetime.date(2022, 10, 31), datetime.date(2022, 11, 4), 108, 4000, 4)
  (1007, 'Scaria Fernandes', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 110, 2000, 2)
  (1008, 'Maria S', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 120, 1000, 1)
  (1009, 'Albin Pinoybalakumar M.S.K', datetime.date(2022, 10, 31), datetime.date(2022, 11, 3), 122, 3000, 3)
  (1010, 'Harikeshan R.M', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 123, 2000, 2)
  (1011, 'Leo S.', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 125, 1000, 1)
  (1013, 'Jefferey Richford', datetime.date(2022, 10, 31), datetime.date(2022, 11, 6), 140, 6000, 6)
  (1014, 'Samuel Wozowski', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 154, 2000, 2)
  (1015, 'Anupam Baby Jr.', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 169, 1000, 1)
  (1016, 'Mohandas Freds', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 175, 2000, 2)
  (1017, 'Denny M. Greatruther C.', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 180, 1000, 1)
  (1018, 'Alia Kiran', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 189, 2000, 2)
  (1019, 'Inglesias Fluffy', datetime.date(2022, 10, 31), datetime.date(2022, 11, 2), 195, 3000, 3)
  (1020, 'Kenny Seb.', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 210, 1000, 1)
  (1021, 'Rahul S.', datetime.date(2022, 10, 31), datetime.date(2022, 11, 1), 220, 1000, 1)
  (5561, 'denny', datetime.date(2022, 12, 13), datetime.date(2022, 12, 14), 231, 1000, 1)
  (6649, 'Sophia', datetime.date(2022, 12, 28), datetime.date(2022, 12, 30), 123, 2000, 2)
```

EXPORT ALL THE RECORDS INTO A FILE AND DISPLAY IT -

```
Enter your Choice --  6
Enter the password to continue:12345678

Hotel Records successfully exported to File!

HOTEL RECORDS IN EXPORTED FILE

 Customer ID --    1001  Customer Name :  Thomas Shelby Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  101 Room_Price --  2000 No_of_Days 2
 Customer ID --    1002  Customer Name :  Sandra Bullock Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  102 Room_Price --  1000 No_of_Days 1
 Customer ID --    1003  Customer Name :  Emmanuel Thomas Check_IN --  2022-10-31 Check_Out --  2022-11-03 Room_ID --  105 Room_Price --  3000 No_of_Days 3
 Customer ID --    1004  Customer Name :  Vicky Mohan Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  106 Room_Price --  1000 No_of_Days 1
 Customer ID --    1005  Customer Name :  Andy Samberg Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  107 Room_Price --  2000 No_of_Days 2
 Customer ID --    1006  Customer Name :  Pravan Raj Check_IN --  2022-10-31 Check_Out --  2022-11-04 Room_ID --  108 Room_Price --  4000 No_of_Days 4
 Customer ID --    1007  Customer Name :  Scaria Fernandes Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  110 Room_Price --  2000 No_of_Days 2
 Customer ID --    1008  Customer Name :  Maria S Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  120 Room_Price --  1000 No_of_Days 1
 Customer ID --    1009  Customer Name :  Albin Pinoybalakumar M.S.K Check_IN --  2022-10-31 Check_Out --  2022-11-03 Room_ID --  122 Room_Price --  3000 No_of_Days 3
 Customer ID --    1010  Customer Name :  Harikeshan R.M Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  123 Room_Price --  2000 No_of_Days 2
 Customer ID --    1011  Customer Name :  Leo S. Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  125 Room_Price --  1000 No_of_Days 1
 Customer ID --    1013  Customer Name :  Jefferey Richford Check_IN --  2022-10-31 Check_Out --  2022-11-06 Room_ID --  140 Room_Price --  6000 No_of_Days 6
 Customer ID --    1014  Customer Name :  Samuel Wozowski Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  154 Room_Price --  2000 No_of_Days 2
 Customer ID --    1015  Customer Name :  Anupam Baby Jr. Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  169 Room_Price --  1000 No_of_Days 1
 Customer ID --    1016  Customer Name :  Mohandas Freds Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  175 Room_Price --  2000 No_of_Days 2
 Customer ID --    1017  Customer Name :  Denny M. Greatruther C. Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  180 Room_Price --  1000 No_of_Days 1
 Customer ID --    1018  Customer Name :  Alia Kiran Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  189 Room_Price --  2000 No_of_Days 2
 Customer ID --    1019  Customer Name :  Inglesias Fluffy Check_IN --  2022-10-31 Check_Out --  2022-11-02 Room_ID --  195 Room_Price --  3000 No_of_Days 3
 Customer ID --    1020  Customer Name :  Kenny Seb. Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  210 Room_Price --  1000 No_of_Days 1
 Customer ID --    1021  Customer Name :  Rahul S. Check_IN --  2022-10-31 Check_Out --  2022-11-01 Room_ID --  220 Room_Price --  1000 No_of_Days 1
 Customer ID --    5561  Customer Name :  denny Check_IN --  2022-12-13 Check_Out --  2022-12-14 Room_ID --  231 Room_Price --  1000 No_of_Days 1
 Customer ID --    6649  Customer Name :  Sophia Check_IN --  2022-12-28 Check_Out --  2022-12-30 Room_ID --  123 Room_Price --  2000 No_of_Days 2
```

TO EXIT FROM THE PROGRAM -

```
Enter your Choice --  7
Are you sure you want to leave?

Press enter to conitinue.

THANK YOU FOR VISITING CDE HOTELS, HOPE YOU HAD A WONDERFUL TIME
```

BIBLIOGRAPHY

- *Computer science With Python - Class XII By : Preeti Arora*
- *https://github.com/*
- *https://stackoverflow.com/*
- *https://www.python.org/*
- *https://www.mysql.com/*
- *www.geeksforgeeks.org*
- *www.pythonworld.in*