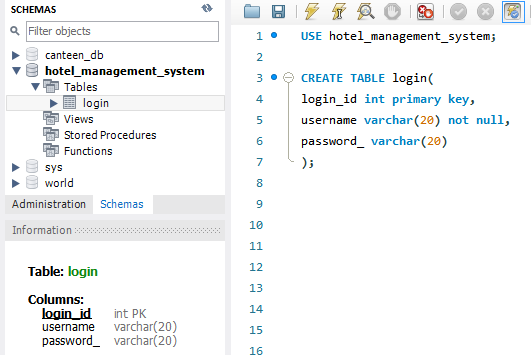
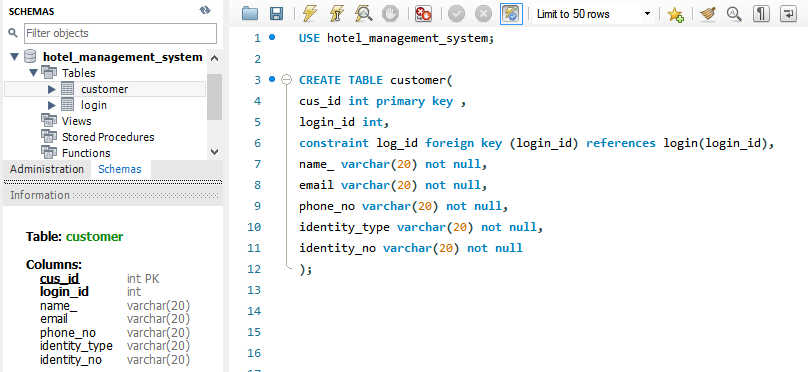
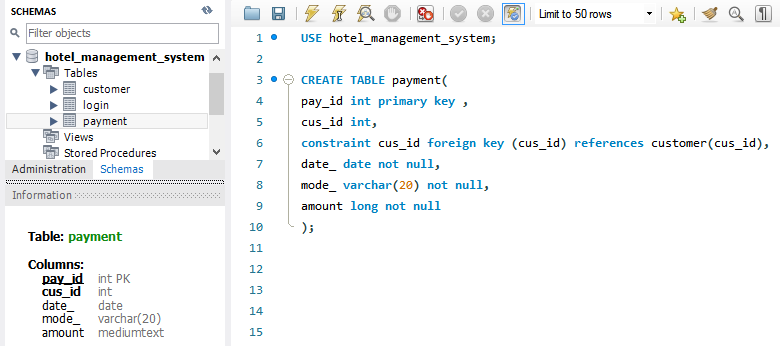
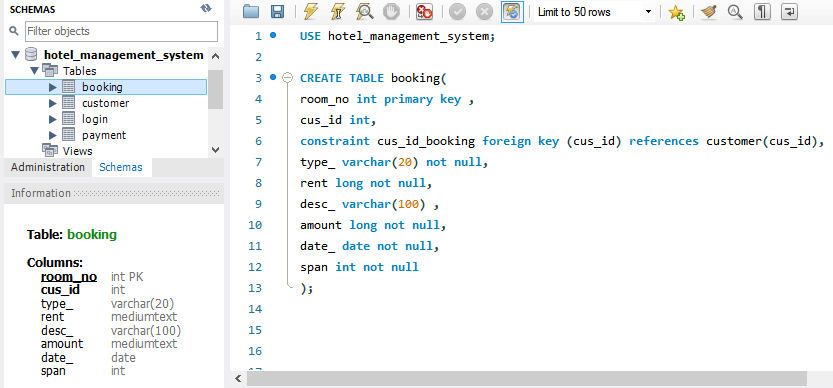
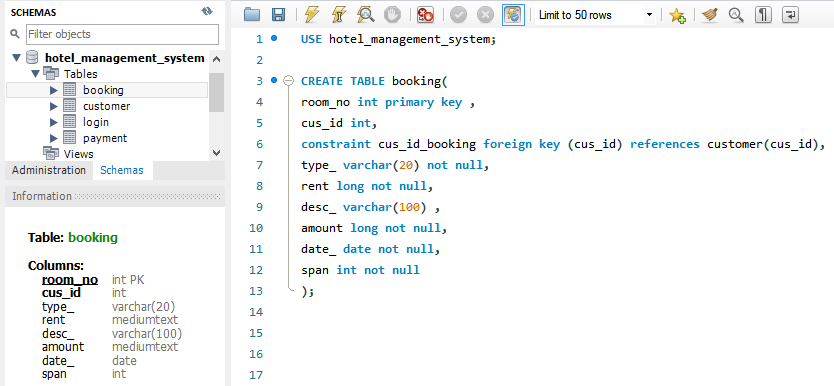
**Expt 3 :**

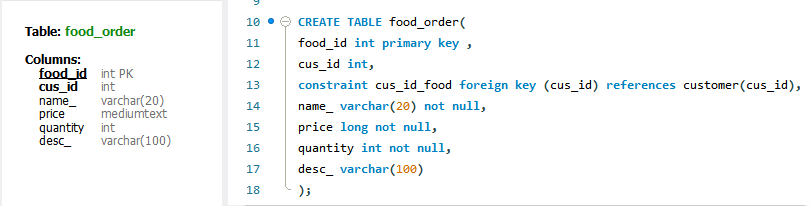


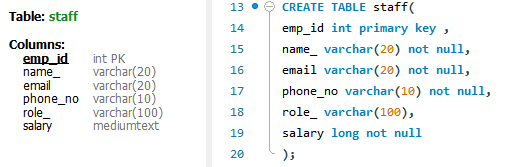


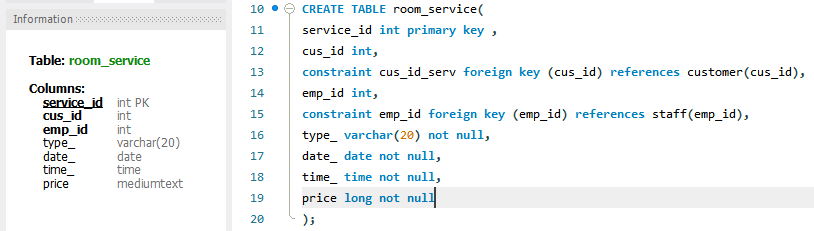


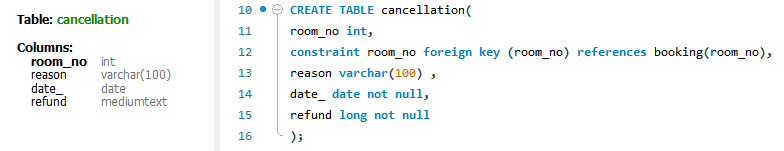




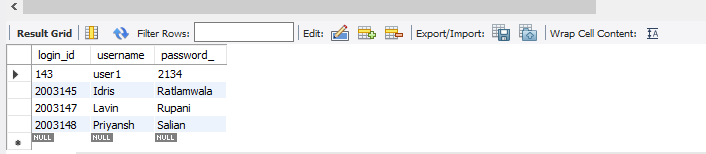


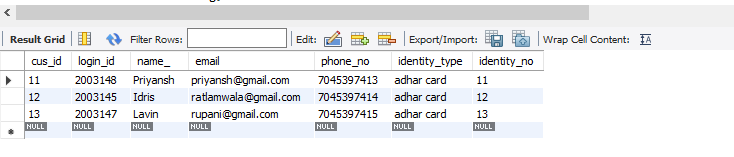


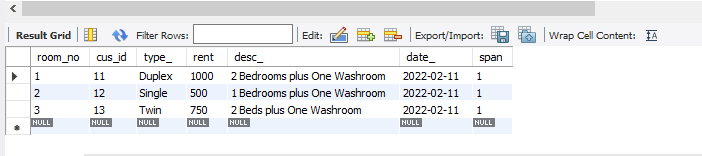


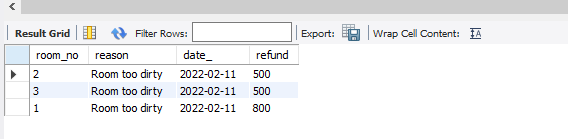


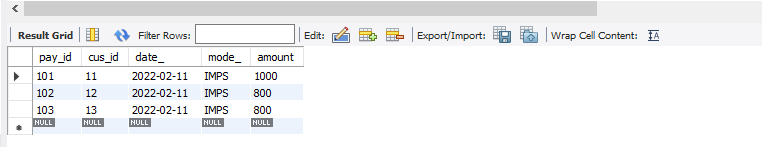
**Expt 4 :**

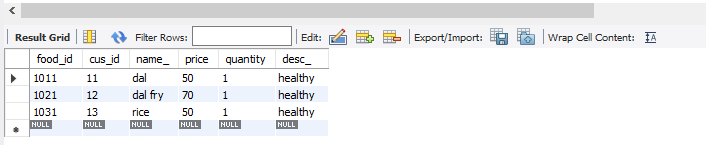


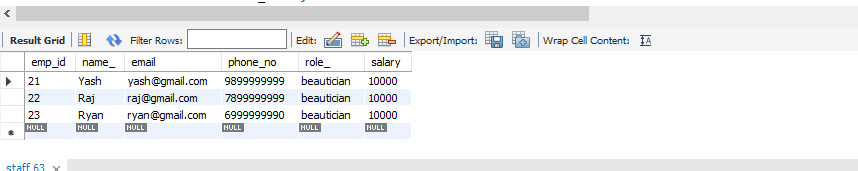


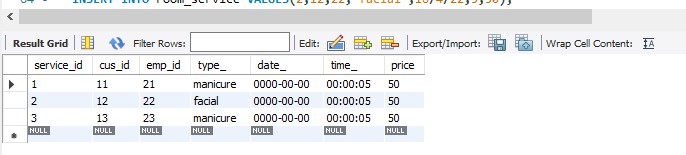




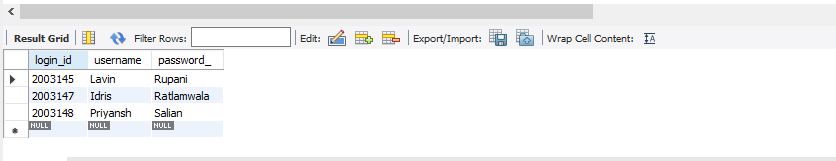


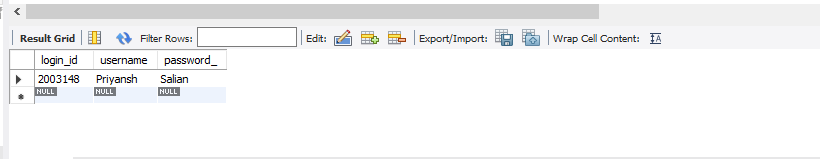


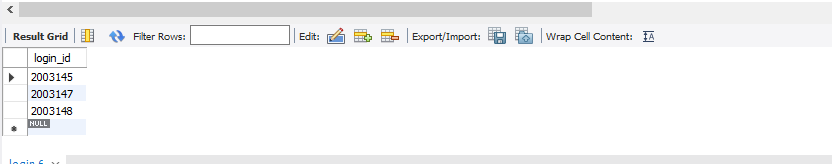


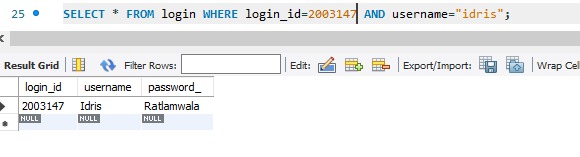


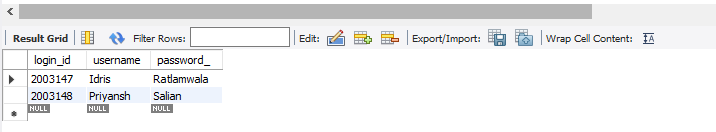
**Expt 5 :**

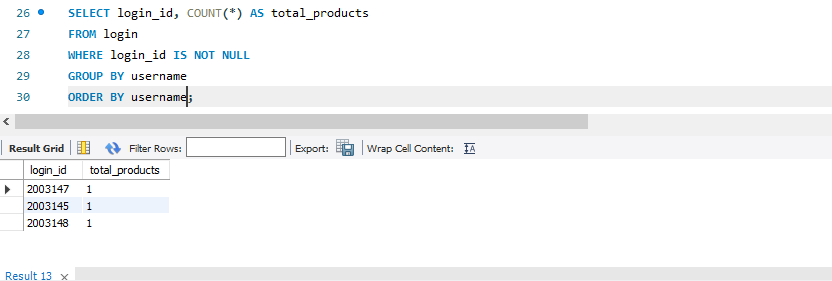
1) Print full table -select 

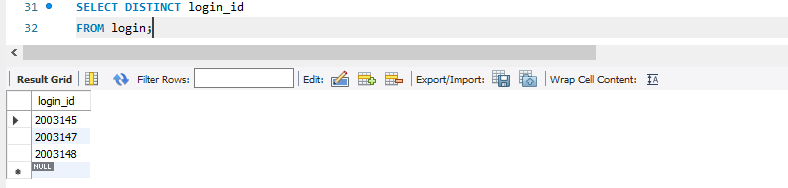
2) Print only few attributes 

3) Select conditional tuples 

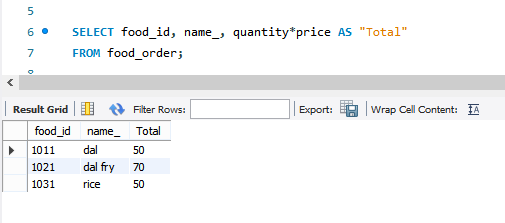
4) Where clause with AND condition 

5) Where clause with OR condition 

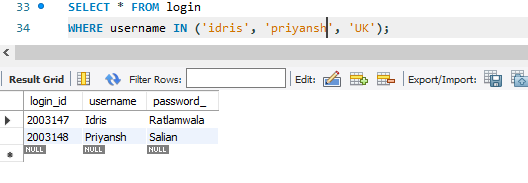
6) Order by 

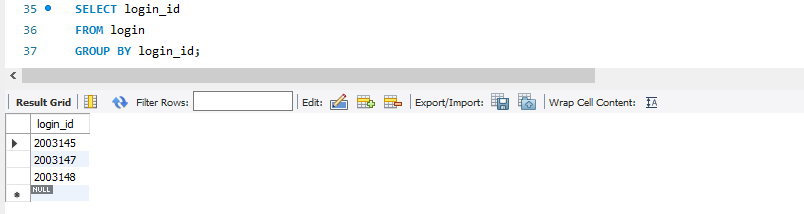
7) Distinct 

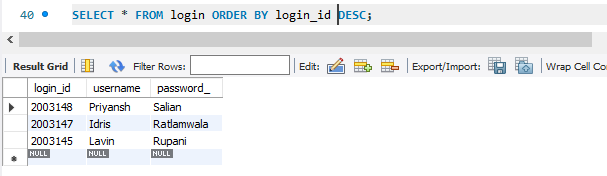
8) Calculations in select

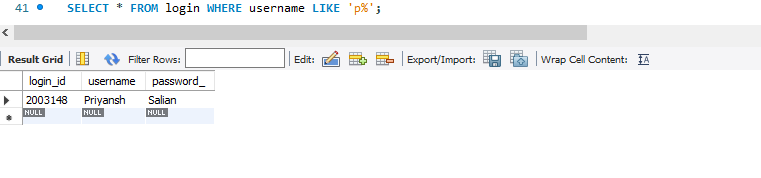


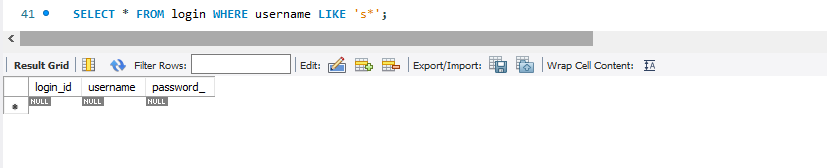
9) Select with in clause

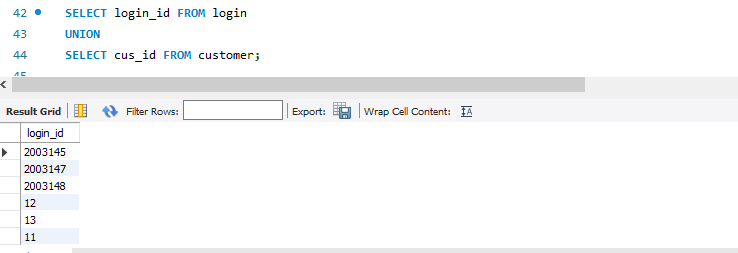


10) Sorting- asc 

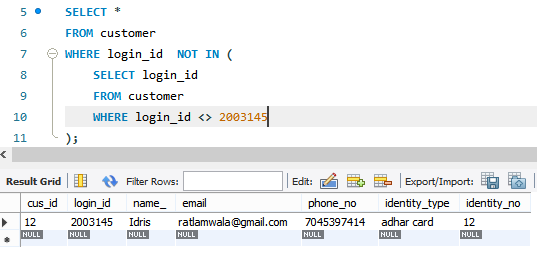
11) Sorting- desc 

12) Sting Matching- % 

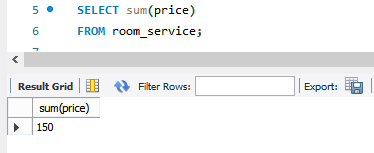
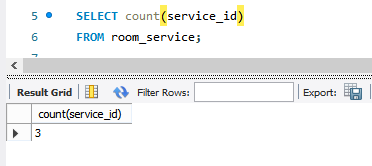
13) Sting Matching- \* 

14) Union 

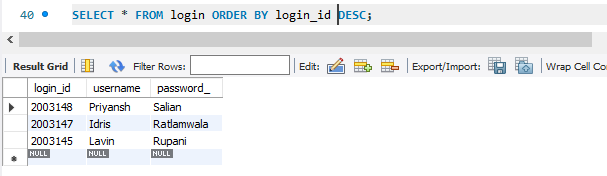
16) Difference



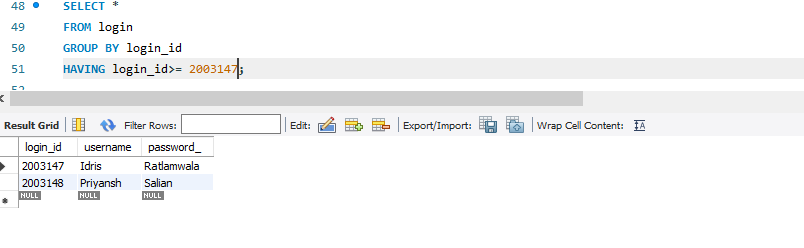
17) Aggregate Function (Any two)

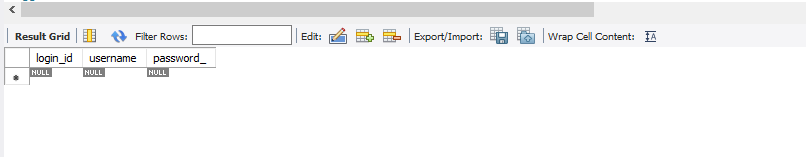


18) Group by



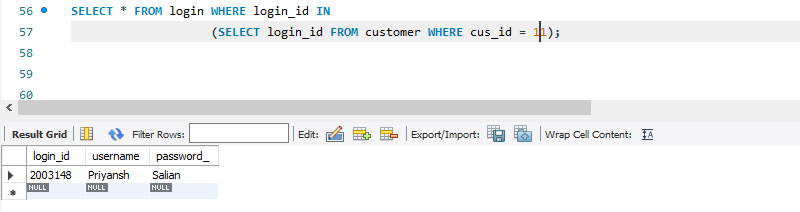
19) Group by having



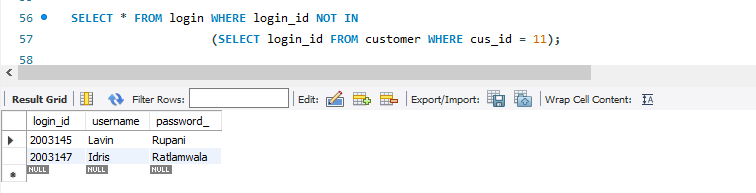
20) Query with Null value 

**Expt 6 :**

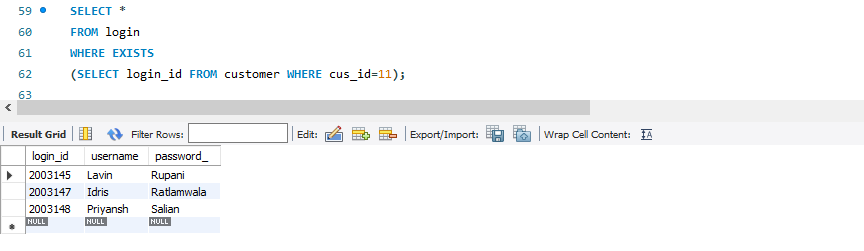
1) in

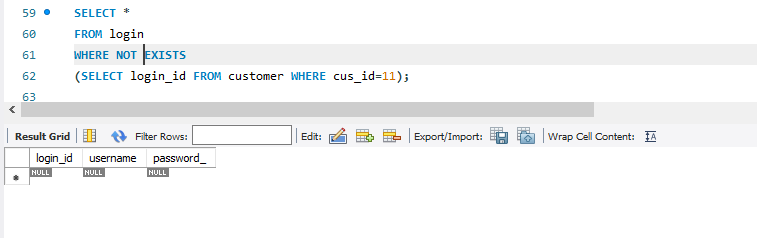


2) not in

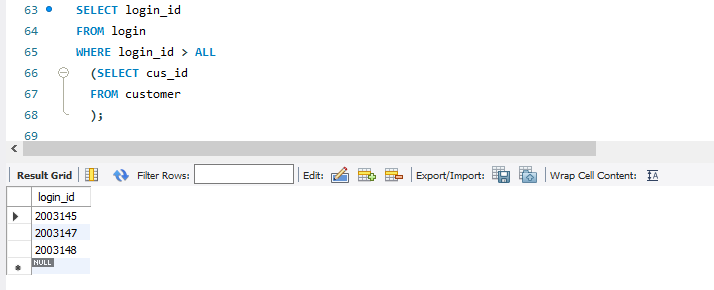


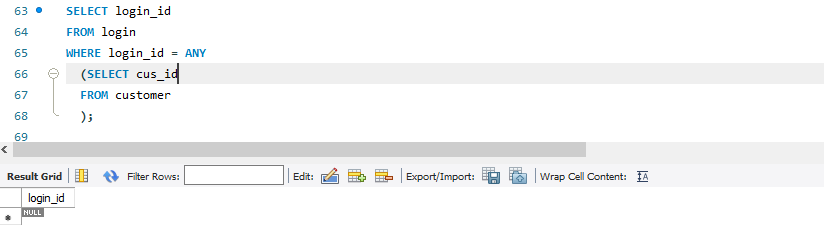
3) exists



4) not exists 

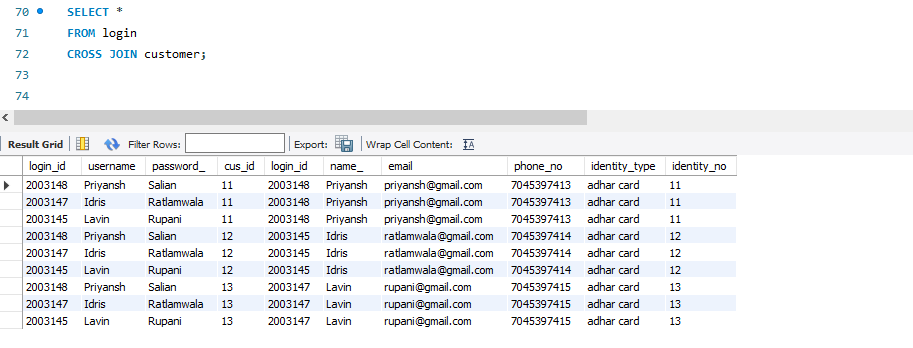
5) All



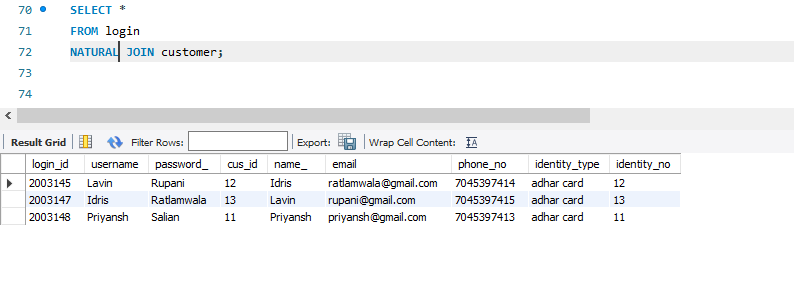
6) Any/ some 

**Expt 7 :**

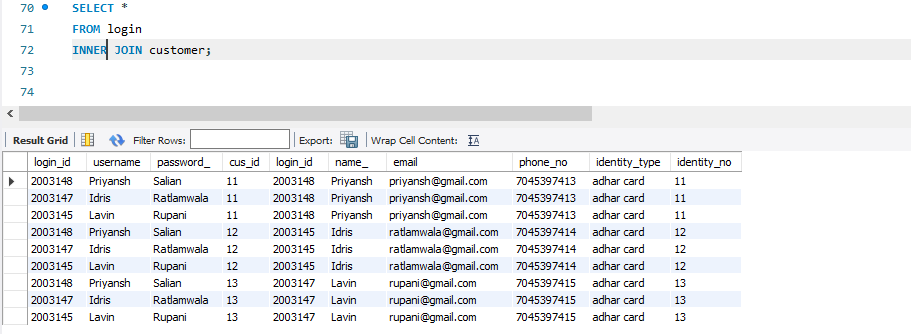
1) Cross Join



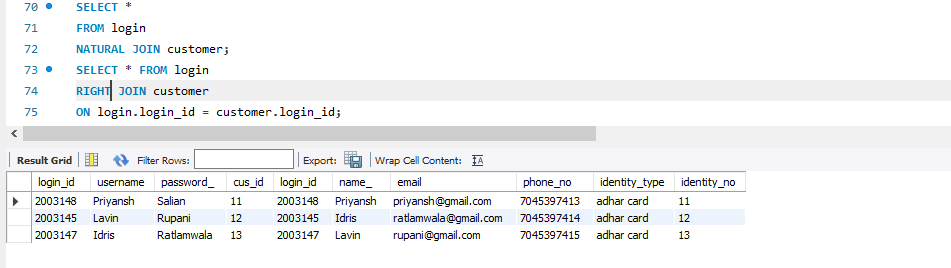
2) Natural Join



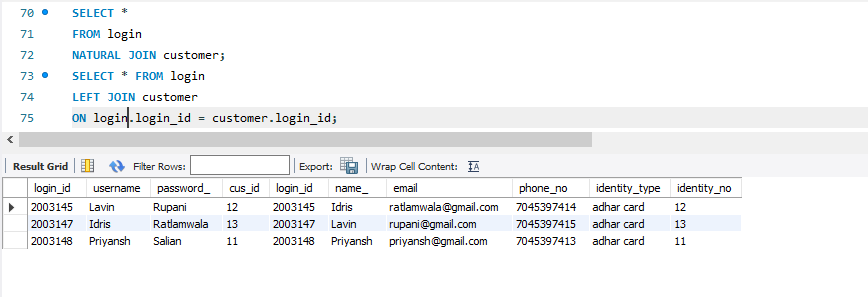
3) Inner /join



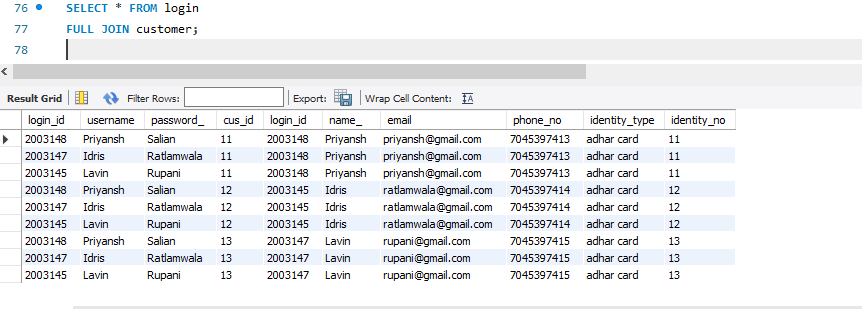
4) Right outer Join



5) Left Outer Join



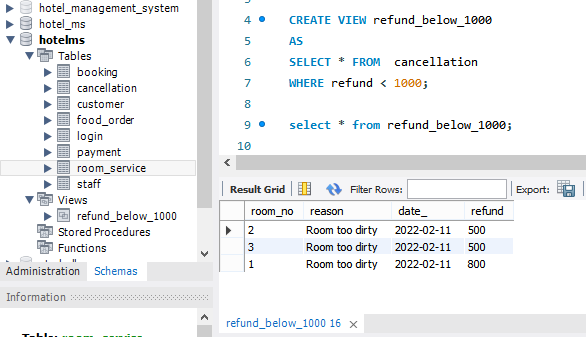
6) Full Outer Join



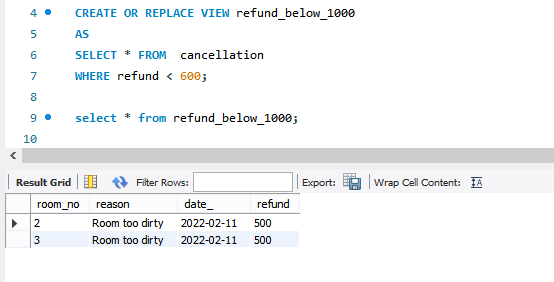
**Expt 8 :**

A] Implementation of views :

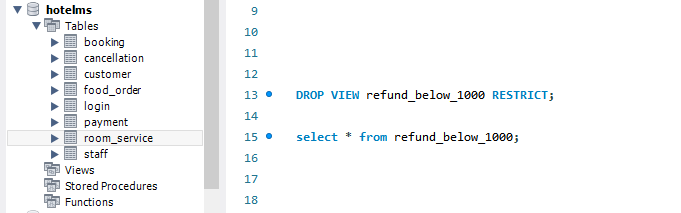
1. Creating a view



1. Modifing a view

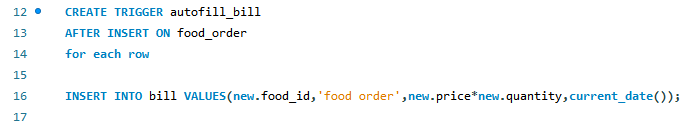


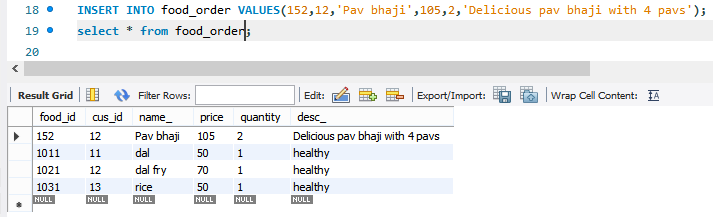
1. Dropping a view

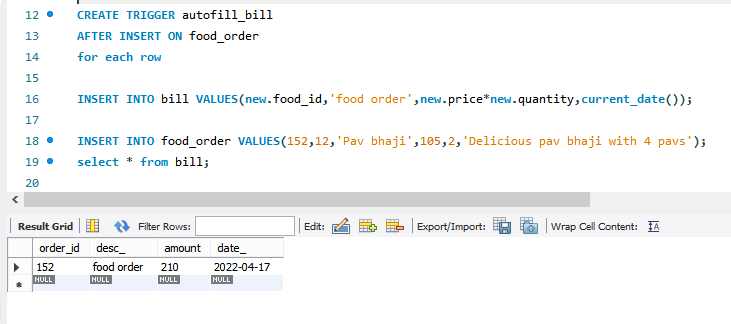


B] Implementation of triggers :

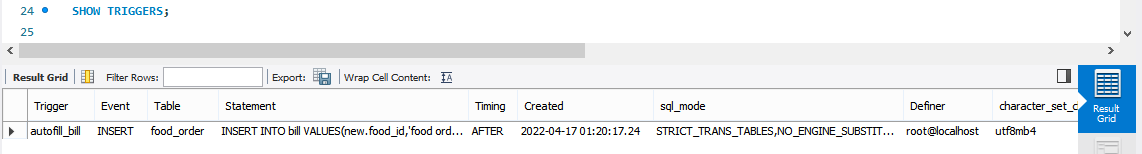
1. Create trigger



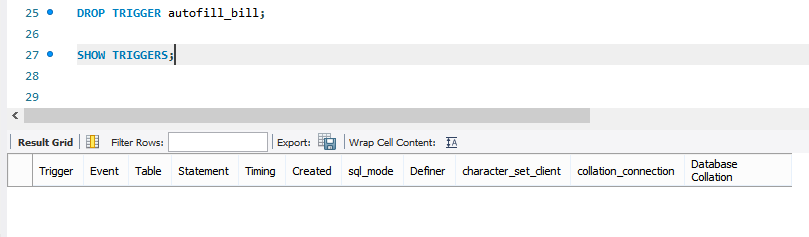




1. Data dictionary for triggers

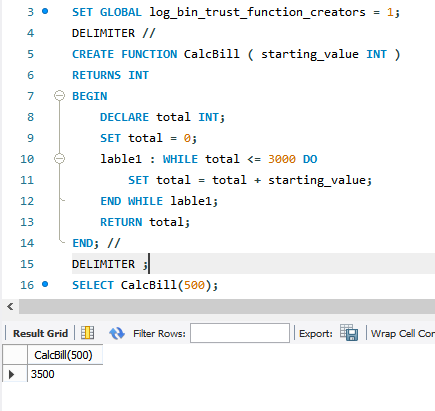


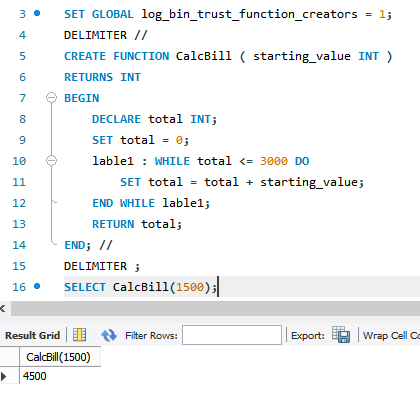
1. Dropping triggers



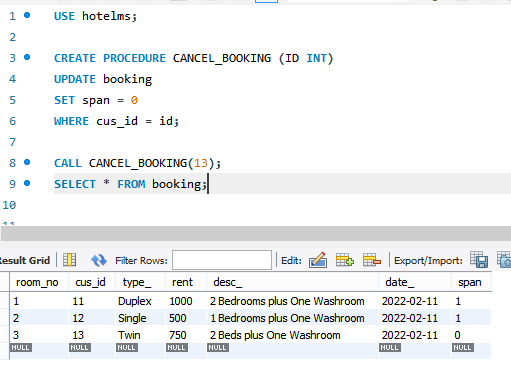
**Expt 9 :**

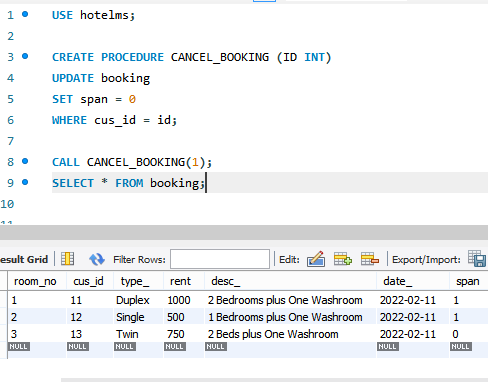
**Functions :**





**Procedures :**

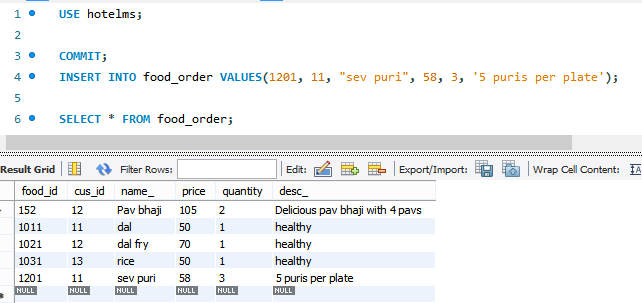




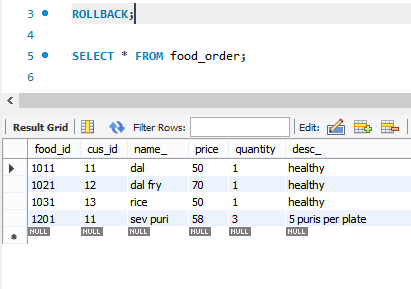
**Expt 10 :**

**TCL :**

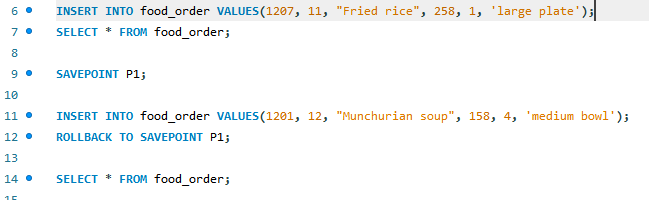
1. **Commit :**



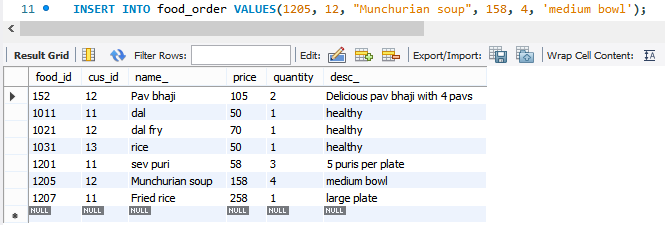
1. **Rollback:**



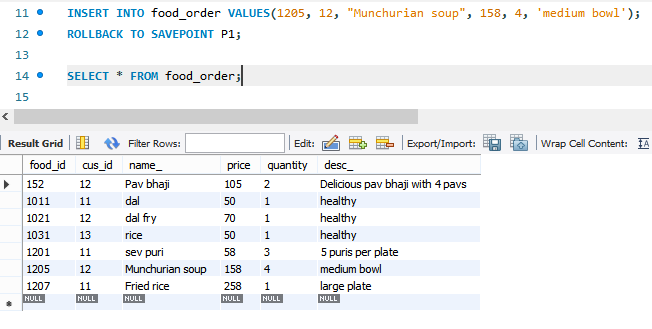
1. **Savepoint:**



Before savepoint

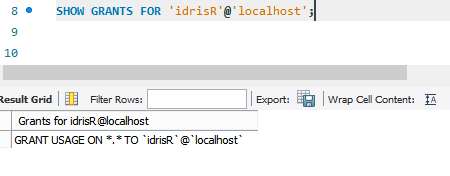


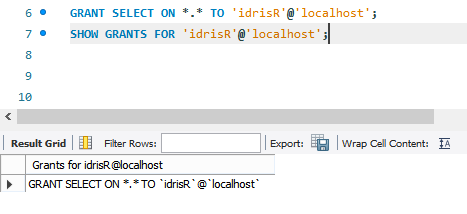
After reverting to savepoint

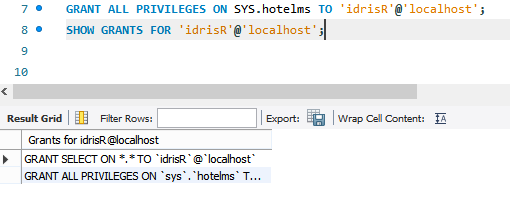


**DCL :**

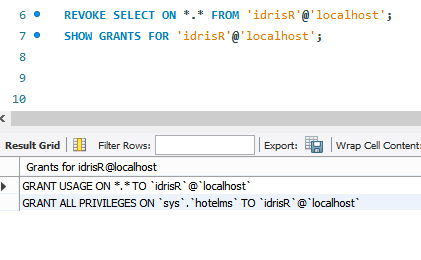
1. **Grant :**







1. **Revoke :**



**Expt 11 :**

import mysql.connector

from tkinter import \*

from tkinter import messagebox

def login():

    uname=rollno.get()

    pwd=password.get()

    nam=name.get()

    yea=int(year.get())

    bran=branch.get()

    try:

        conn = mysql.connector.connect(host='localhost',user='root',password='1234',db='stud\_db')

        cursor = conn.cursor()

        create\_query = '''create table if not exists college\_id

        (stud\_name varchar(50),

        username varchar(50),

        passw varchar(20),

        branch varchar(20),

        year\_ int

        );'''

        cursor.execute(create\_query)

        data = [nam, uname, pwd, bran, yea]

        insert\_query = "insert into college\_id values(%s,%s,%s,%s,%s)"

        cursor.execute(insert\_query, data)

        conn.commit()

        print("Name\t"+ "Roll no  \t"+ "Pass\t" +"Branch\t" +"year")

        cursor.execute("select \* from college\_id;")

        data = cursor.fetchall()

        for record in data :

            for value in record :

                print(value, end=" \t")

            print()

    except Exception as e :

        print(e)

    if uname=='' or pwd==''or nam==''or yea==''or bran=='':

       messagebox.showerror('Error', 'Plese enter all details')

    else:

        messagebox.showinfo('Successful', 'Your data is saved\nsuccessfully !')

