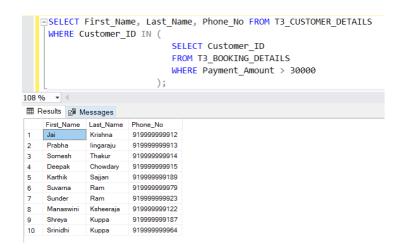
DBMS LAB ASSIGNMENT-4

Name:Dhyan.MG

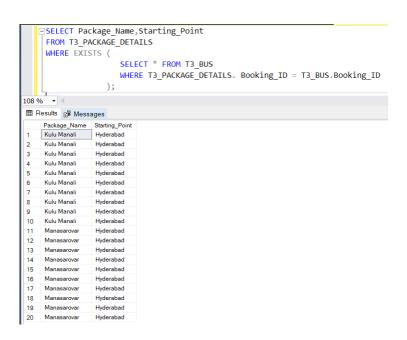
Reg No:19BCS038

1. Write 5 Nested Queries for your respective database- the queries should not be very similar like just changing the where clause or just building all the queries on only one or two tables etc. The queries should make sense, it should cover most part of your database tables.

QUERY 1



QUERY 2



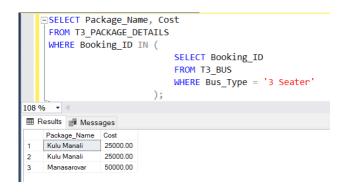
QUERY 3

```
SELECT Customer_ID, First_Name ,Age, Gender FROM T3_CUSTOMER_DETAILS
     WHERE Customer_ID IN (
                                 SELECT Customer_ID
                                 FROM T3_BOOKING_DETAILS
                                 WHERE Booking_ID IN (
                                                             SELECT Booking_ID
                                                              FROM T3_DESTINATION_DETAILS
                                                             WHERE Hotel_Name =
                                                                                    'Gurugrantha Choultry'
                              );
108 %

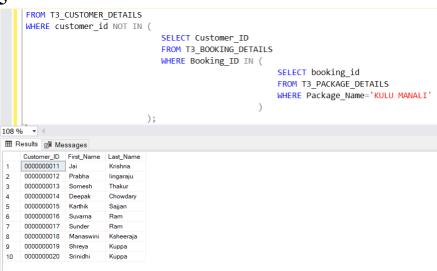
    ■ Results    ■ Messages

     0000000012
               Prabha
                         41
    0000000013
               Somesh
               Deepak
Karthik
    0000000014
    0000000011
               Suvarna
Sunder
    0000000016
    0000000017
    0000000018
0000000019
               Manaswini
    0000000020
```

QUERY 4



QUERY 5



2. Illustrate how we can use CONCAT and AS operators in SQL (minimum 3 queries)

QUERY 1

```
SELECT CONCAT(Bus_ID, ' ', Bus_Type) AS Bus_Details, Booking_ID, DateAndTime_Of_Arrival, DateAndTime_Of_Departure
         FROM T3_BUS;
108 % - 4
Bus_Details Booking_ID
8714 Sleeper 0100001
8714 Sleeper 0100002

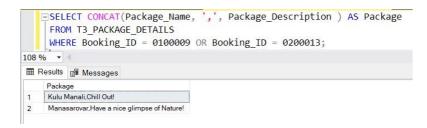
        DateAndTime_Of_Arrival
        DateAndTime_Of_Departure

        2021-03-04 15:15:00.000
        2021-03-06 15:15:00.000

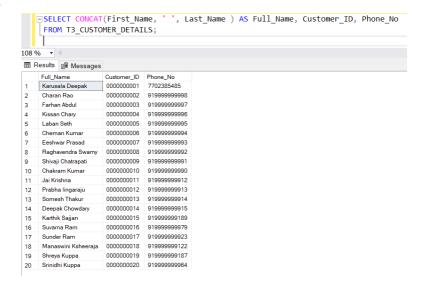
        2021-03-04 15:15:00.000
        2021-03-06 15:15:00.000

         8714 Sleeper 0100003
                                                  2021-03-04 15:15:00.000 2021-03-06 15:15:00.000
         8714 Sleeper 0100004
                                                   2021-03-04 15:15:00.000 2021-03-06 15:15:00.000
         8714 Sleeper 0100004
8714 Sleeper 0100005
8714 Sleeper 0100006
8714 Sleeper 0100007
                                                  2021-03-04 15:15:00.000 2021-03-06 15:15:00.000 2021-03-04 15:15:00.000 2021-03-06 15:15:00.000 2021-03-04 15:15:00.000 2021-03-06 15:15:00.000
         8714 Sleeper 0100008
                                                   2021-03-04 15:15:00.000 2021-03-06 15:15:00.000
         8714 Sleeper 0100009
                                                   2021-03-04 15:15:00.000 2021-03-06 15:15:00.000
         8714 Sleeper 0100010
6938 Sleeper 0200011
6938 Sleeper 0200012
6938 Sleeper 0200013
                                                  2021-03-04 15:15:00.000 2021-03-06 15:15:00.000 2021-03-04 05:30:00.000 2021-03-08 15:15:00.000 2021-03-04 05:30:00.000 2021-03-08 15:15:00.000 2021-03-04 05:30:00.000 2021-03-08 15:15:00.000
         6938 Sleeper 0200014
                                                   2021-03-04 05:30:00.000 2021-03-08 15:15:00.000
         6938 Sleeper 0200015
6938 Sleeper 0200016
6938 Sleeper 0200017
6938 Sleeper 0200018
                                                   2021-03-04 05:30:00 000 2021-03-08 15:15:00 000
                                                  2021-03-04 05:30:00.000 2021-03-08 15:15:00.000
         6938 Sleeper 0200019
                                                 2021-03-04 05:30:00.000 2021-03-08 15:15:00.000 2021-03-04 05:30:00.000 2021-03-08 15:15:00.000
         6938 Sleener 0200020
```

QUERY 2



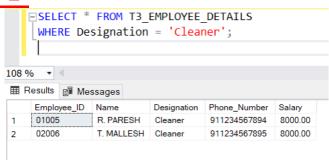
QUERY 3



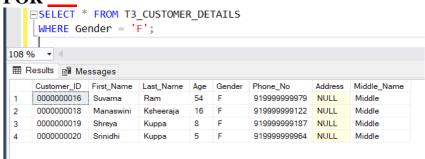
3. Illustrate all the Comparison operator (2 queries for each operator)

Operator	Description
=	Equal to.
>	Greater than.
<	Less than.
>=	Greater than equal to.
<=	Less than equal to.
<>	Not equal to.

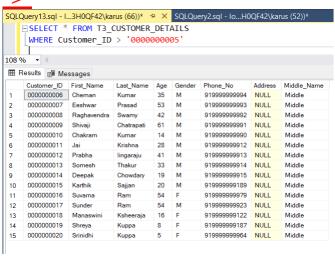
QUERY 1 FOR "="



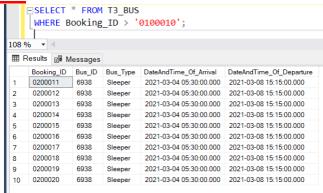
QUERY 2 FOR "="



QUERY 1 FOR ">"



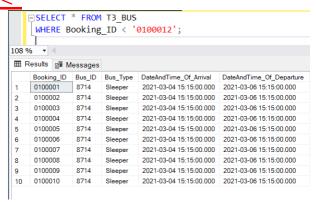




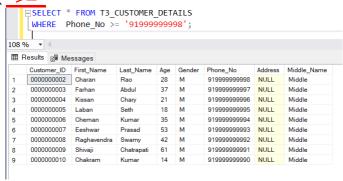
QUERY 1 FOR "<"



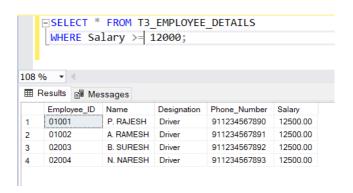
QUERY 2 FOR "<"



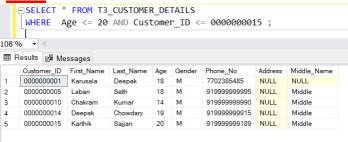
QUERY 1 FOR ">="



QUERY 2 FOR ">="



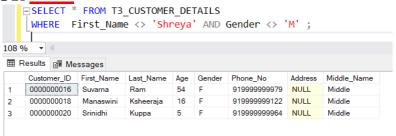
QUERY 1 FOR "<="



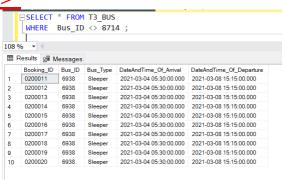
QUERY 2 FOR "<="



QUERY 1 FOR "<>"



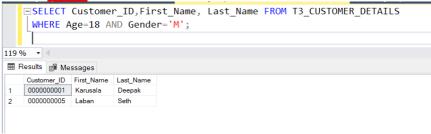
QUERY 2 FOR "<>"



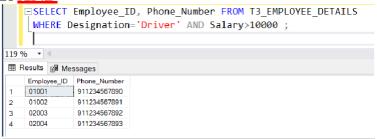
4. Illustrate Logical operators except ANY, ALL and Like (2 queries for each operator)

Logical Operator	Description
AND	Both the conditions mentioned in the WHERE
	clause should be TRUE.
OR	At least one of the conditions mentioned in the
	WHERE clause should be TRUE.
NOT	The mentioned condition should be false in the
	WHERE clause.
IN	Is used to search for specified value matches any
	value in set of multiple values.
BETWEEN	Is used to get values within a range.

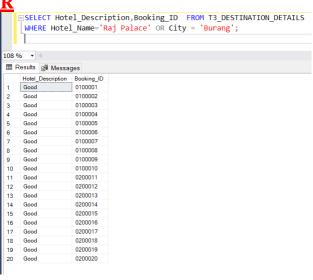
QUERY 1 FOR AND



QUERY 2 FOR AND



QUERY 1 FOR OR



QUERY 2 FOR OR

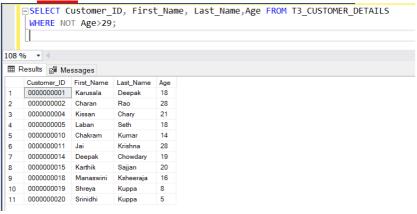
```
ESELECT Bus_ID, Booking_ID FROM T3_BUS

WHERE Bus_Type='Sleeper' OR DateAndTime_Of_Arrival = '2021-03-04705:30:00';

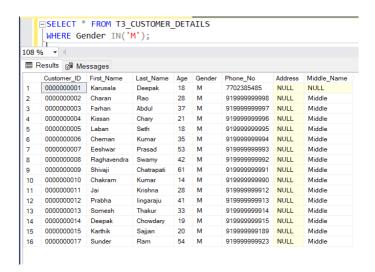
The sum of the
```

QUERY 1 FOR NOT

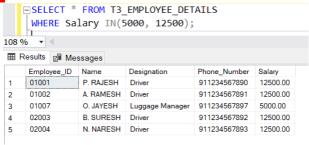
QUERY 2 FOR NOT



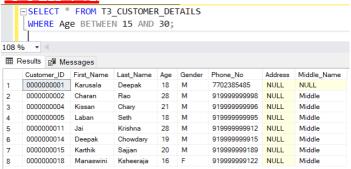
QUERY 1 FOR IN



QUERY 2 FOR IN



OUERY 1 FOR BETWEEN



QUERY 2 FOR BETWEEN

