# **DBMS LAB ASSIGNMENT: 4**

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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:

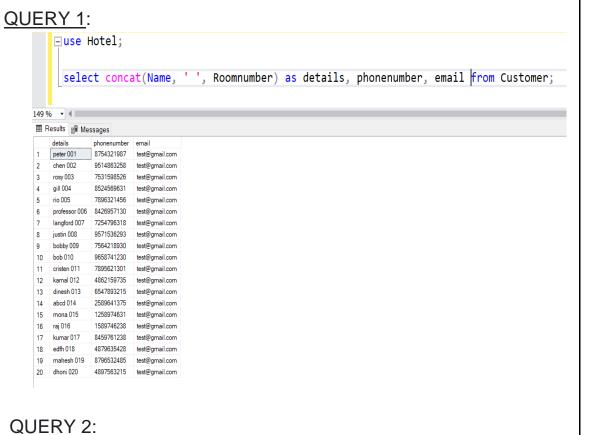
### QUERY 2:

### QUERY 3:

### QUERY 4:

# 

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



#### QUERY 3:

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

<u>OPERATOR</u>	<u>Description</u>
=	Equal to.
>	Greater than.
<	Less than.
>=	Greater than equal to.
<=	Less than equal to.
<>	Not equal to.

# QUERY FOR "=":

```
SELECT * FROM T2_Rooms WHERE Room_location='block-2';

SELECT * FROM T2_CUSTOMER_ADDRESS WHERE Customer_ID-'3';

100 % - 4

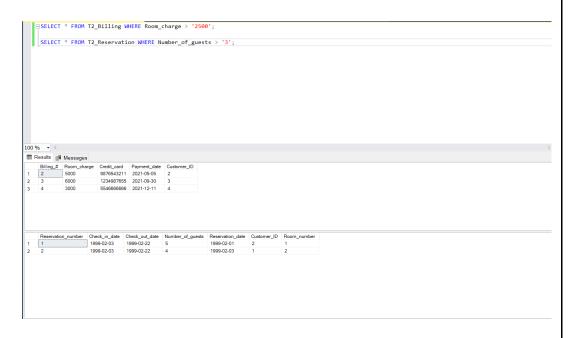
III Results gi Messages

Room_number Room_Type Room_location number_of_beds Customer_ID block-2 1 2
2 3 Deluxe block-2 1 4

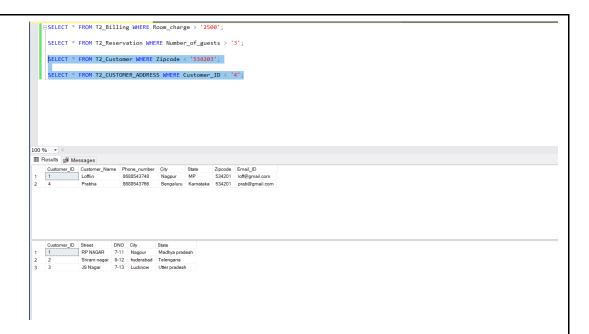
Customer_ID Steet DNO City State

1 3 JS Nagar 7-13 Lucknow Utter pradeth
```

# QUERY FOR ">":



# QUERY FOR "<":



#### QUERY FOR ">=":

```
ESELECT * FROM T2_Reservation WHERE Number_of_guests > '3';

SELECT * FROM T2_Customer_WHERE Zipcode < '554283';

SELECT * FROM T2_CUSTOMEr_LDDRESS WHERE Customer_ID < '4';

BELECT * FROM T2_SERVICES WHERE Reservation_number >= '2';

SELECT * Grown T2_SERVICES WHERE Reservation_number >= '2';

SELECT * Grown T2_SERVICES WHERE Reservation_number >= '2';

SELECT * FROM T2_SERVICES WHERE Reservation_number >= '12';

SELECT * FROM T2_SERVICES WHERE Customer_ID < '4';

SELECT * FROM T2_Customer_ID, Reservation_number >= '12';

SELECT * FROM T2_SERVICES WHERE Customer_ID 

**T1 **SELECT * FROM T2_Customer_ID 

**T2 **SELECT * FROM T2_Customer_ID 

**T2 **SELECT * FROM T2_Customer_ID 

**T3 **SELECT **
```

#### QUERY FOR "<=":

```
DISELECT * FROM T2_Billing WHERE Room_charge > '2500';

SELECT * FROM T2_Enservation WHERE Zipcode < '534203';

SELECT * FROM T2_Customer WHERE Zipcode < '534203';

SELECT * FROM T2_Customer MHERE Zipcode < '534203';

SELECT * FROM T2_SERVICES WHERE Enservation_under >= '2';

SELECT * FROM T2_SERVICES WHERE Reservation_wnder >= '2';

SELECT Customer_Ibn. Reservation_number FROM T2_Enservation WHERE Check_in_date >= '1999-02-03';

SELECT * FROM T2_BIRD. Reservation_wnder FROM T2_Enservation WHERE Check_in_date >= '1999-02-03';

SELECT * FROM Eng_info WHERE age 35;

SELECT * FROM Eng_info WHERE Eng 35;

SELECT * FROM Eng_info WHERE Eng 35;

SELECT * FROM T2_SERVICES WHERE Eng 35;

SELECT * FROM T2_SERVICES WHERE Eng 35;

SELECT * SELECT * FROM T2_SERVICES WHERE Eng 35;

SELECT * SELECT * FROM T2_SERVICES WHERE Eng 35;

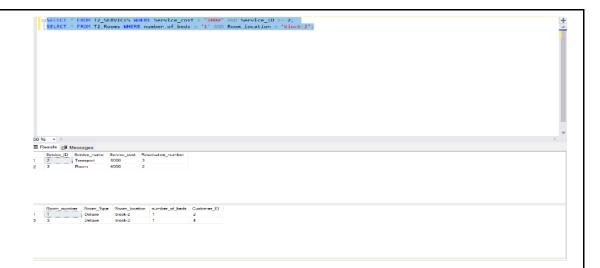
SELECT * SELECT *
```

### QUERY FOR "<>":

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

LOGICAL OPERATOR	<u>Description</u>
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 FOR "AND"**:



### **QUERY FOR "OR"**:

### QUERY FOR "NOT":

### **QUERY FOR "IN"**:

### **QUERY FOR "BETWEEN":**

