DBMS LAB ASSIGNMENT-4

CH.BhawanKumar 19BCS031

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:

```
⊡use Hotel;
    ⊨select * from Customer
           where customerid in (
                select customerid from Manager
           );
149 % ▼ ◀
customerid Name
                Roomnumber phonenumber email
                002
                         9514863258
                                  test@gmail.com
           chen
                009
                         7564218930
           bobby
                                  test@gmail.com
   16
           raj
                016
                         1589746238
                                  test@gmail.com
```

QUERY 4:

QUERY 5:

```
□ use Hotel;
□ select Name, address, phonenumber from Manager

where customerid in(
select customerid from Customer
where Roomnumber in (
select roomnumber from Room where stockid = 2
)
);

□ select roomnumber from Room where stockid = 2
)
);

□ select roomnumber from Room where stockid = 2
)
33-6-213 5469871230
2 daniel 33-6-213 5469871230
2 daniel 33-6-213 5469871230
```

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

QUERY 1:

```
□use Hotel;
       select concat(Name, ' ', Roomnumber) as details, phonenumber, email from Customer;
149 % ▼ ◀ ■
details
               phonenumber email
   peter 001
            8754321987 test@gmail.com
   chen 002
               9514863258 test@gmail.com
2
    rosy 003
               7531598526 test@gmail.com
    gill 004
               8524569631 test@gmail.com
    rio 005
5
               7896321456 test@gmail.com
    professor 006 8426957130
                          test@gmail.com
    langford 007 7254796318 test@gmail.com
   justin 008 9571536293 test@gmail.com
    bobby 009 7564218930 test@gmail.com
10 bob 010
               9658741230 test@gmail.com
11 cristen 011 7895621301 test@gmail.com
12 kamal 012 4862159735 test@gmail.com
13 dinesh 013
               6547893215 test@gmail.com
14 abcd 014
               2589641375 test@gmail.com
15 mona 015 1258974631 test@gmail.com
16 raj 016
               1589746238 test@gmail.com
    kumar 017 8459761238 test@gmail.com
17
18 edfh 018 4879635428 test@gmail.com
19 mahesh 019 8796532485 test@gmail.com
   dhoni 020 4897563215 test@gmail.com
```

QUERY 2:

```
□ use Hotel;

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name from Manager where Name = 'johnny';

| select concat(address, ' ', phonenumber) as info, Name
```

QUERY 3:

```
select concat(address, ' ', phonenumber) as personal_info, Name, phonenumber from Manager
where customerid in(
select customerid from Customer
where Roomnumber in (
select roomnumber from Room where stockid = 2
)
);

149 % 
Results Messages
Results Messages
1 33-62135469871230 daniel 5469871230
2 33-62135469871230 daniel 5469871230
```

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 FOR "=":

QUERY FOR ">":

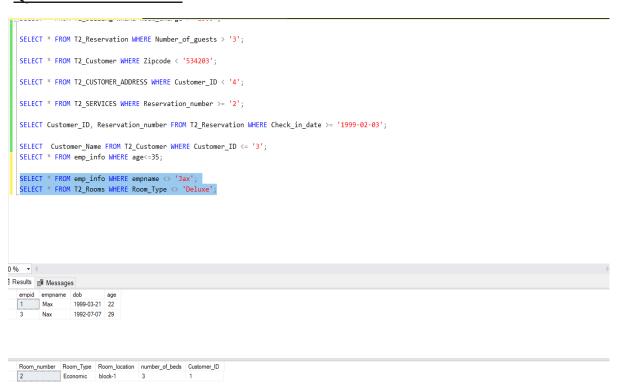
QUERY FOR "<":

```
| SELECT * FROM T2_Billing NHERE Room_charge > '2590';
| SELECT * FROM T2_Customer NHERE Number_of_guests > '3';
| SELECT * FROM T2_Customer NHERE Zipcode < '534203';
| SELECT * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| SELECT * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| SELECT * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| SELECT * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
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| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * Select * FROM T2_Customer_Name NHERE Customer_IO < '4'|
| Select * S
```

QUERY FOR ">=":

QUERY FOR "<=":

OUERY FOR "<>":

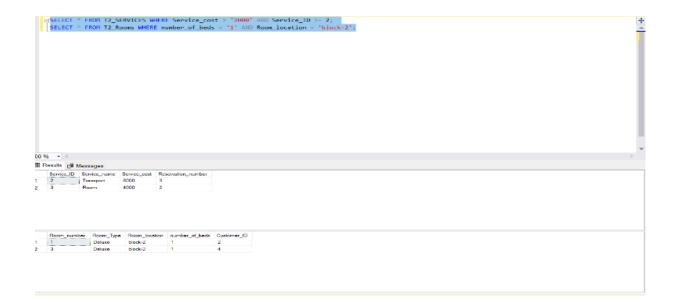


4) Illustrate Logical operators except ANY, ALL and LIKE (2 queries for each operator):

LOGICAL	Description
OPERATOR	

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":