DBMS Lab Assignment-4

Name: - M.Sai Chaitra

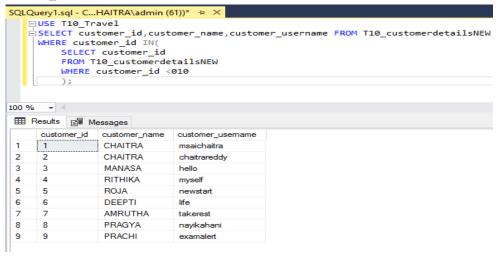
Roll No. :-19BCS065.

Database:- Travel Agency

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.

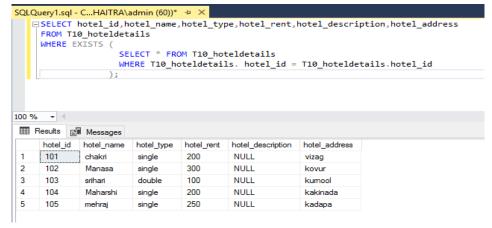
1st Query:-

```
USE T10 Travel
SELECT customer_id, customer_name, customer_username FROM
T10_customerdetailsNEW
WHERE customer_id IN(
     SELECT customer id
     FROM T10 customerdetailsNEW
     WHERE customer id <010
);
```



2nd Query:-

Output:-



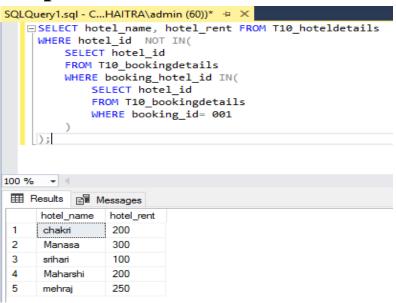
3rd Query:-

```
SQLQuery1.sql - C...HAITRA\admin (60))* 💠 🗶
   □SELECT hotel_id,hotel_name,hotel_address
     FROM T10_hoteldetails
     WHERE hotel_id IN(
         SELECT hotel_id
         FROM T10 hoteldetails
         WHERE hotel_type = 'single'
100 % → <
Results Messages
     hotel_id
             hotel_name
                        hotel_address
     101
 1
              chakri
                         vizad
 2
              Manasa
                         kovur
 3
      104
              Maharshi
                         kakinada
      105
              mehraj
                        kadapa
```

4th Query:-

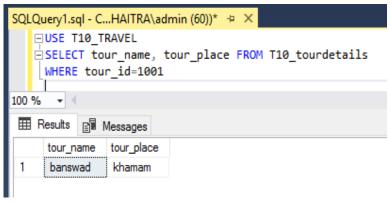
```
SELECT hotel_name, hotel_rent FROM T10_hoteldetails
WHERE hotel_id NOT IN(
    SELECT hotel_id
    FROM T10_bookingdetails
    WHERE booking_hotel_id IN(
        SELECT hotel_id
        FROM T10_bookingdetails
        WHERE booking_id= 001
)
);
```

Output:-



5th Query:-

```
USE T10_TRAVEL
SELECT tour_name, tour_place FROM T10_tourdetails
WHERE tour_id=1001
```



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

1st Query:-

```
SELECT CONCAT(hotel_name,',',hotel_type) AS newcon
FROM T10_hoteldetails
```

Output:-

```
SQLQuery1.sql - C...HAITRA\admin (60))* → ×

SELECT CONCAT(hotel_name,',',hotel_type) AS newcon

FROM T10_hoteldetails

100 % → 

III Results III Messages

newcon

1 chakri,single
2 Manasa,single
3 srihari,double
4 Maharshi,single
5 mehraj,single
```

2nd Query:-

```
SELECT CONCAT(hotel_name,'-',hotel_rent) AS new2
FROM T10_hoteldetails
```

WHERE hotel id= 103

Output:-

```
SQLQuery1.sql - C...HAITRA\admin (60))* → X

SELECT CONCAT(hotel_name,'-',hotel_rent) AS new2
FROM T10_hoteldetails
WHERE hotel_id= 103

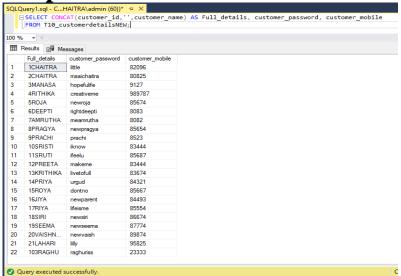
100 % 
Results Messages

new2
1 srihari-100
```

3rd Query:-

```
SELECT CONCAT(customer_id,'',customer_name) AS Full_details,
customer_password, customer_mobile
FROM T10_customerdetailsNEW;
```

Output:-

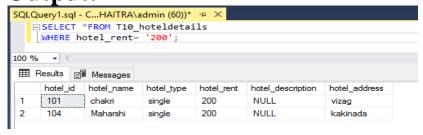


3. Illustrate all the Comparison operator (2 queries for each operator)

1st Query for "=":-

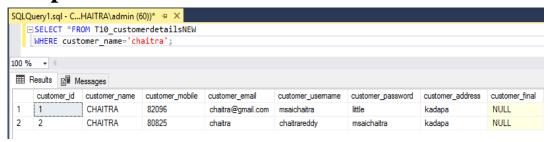
```
SELECT *FROM T10_hoteldetails
WHERE hotel_rent= '200';
```

Output:-



2nd Query for "=":-

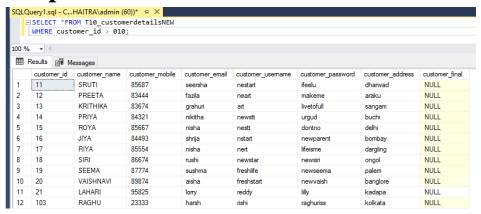
```
SELECT *FROM T10_customerdetailsNEW
WHERE customer name='chaitra';
```



1st Query for ">":-

SELECT *FROM T10_customerdetailsNEW
WHERE customer_id > 010;

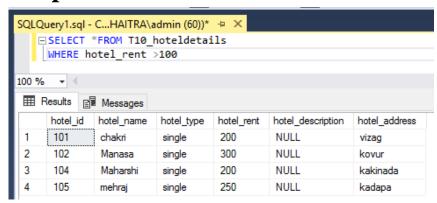
Output:-



2nd Query for ">":-

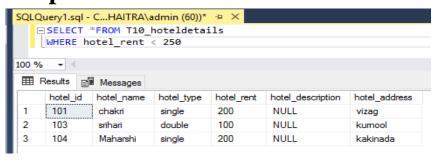
SELECT *FROM T10_hoteldetails
WHERE hotel rent >100

Output:-



1st Query for "<":-

SELECT *FROM T10_hoteldetails
 WHERE hotel_rent < 250</pre>



2nd Query for "<":-

SELECT *FROM T10_customerdetailsNEW
WHERE customer_id < 004</pre>

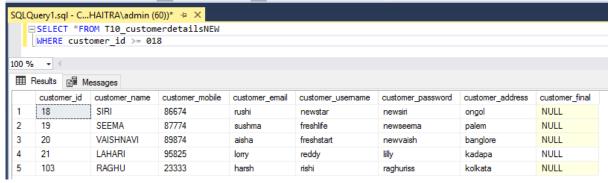
Output:-

SQLC	Query1.sql - C	HAITRA\admin (6	50))* → ×								
[SELECT *FR	OM T10_custom	erdetailsNEW								
	WHERE customer id < 004										
	-										
100 %	6 +										
■	Results 🗐 M	essages									
	customer_id	customer_name	customer_mobile	customer_email	customer_usemame	customer_password	customer_address	customer_final			
1	1	CHAITRA	82096	chaitra@gmail.com	msaichaitra	little	kadapa	NULL			
2	2	CHAITRA	80825	chaitra	chaitrareddy	msaichaitra	kadapa	NULL			
3	3	MANASA	9127	manasa	hello	hopefulife	kovur	NULL			

1st Query for ">=":-

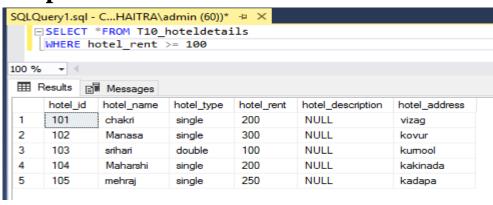
SELECT *FROM T10_customerdetailsNEW
WHERE customer_id >= 018

Output:-



2nd Query for ">=":-

SELECT *FROM T10_hoteldetails
WHERE hotel rent >= 100



1st Query for "<=":-

SELECT *FROM T10_customerdetailsNEW
WHERE customer_id <= 019 AND customer_mobile <= 9992</pre>

Output:-

SELECT *FROM T10_customerdetailsNEW WHERE customer id <= 019 AND customer mobile <= 9992										
	. 4	-		-	•					
00 %										
▦	Results Messages									
	customer_id	customer_name	customer_mobile	customer_email	customer_usemame	customer_password	customer_address	customer_fina		
1	customer_id	customer_name MANASA	customer_mobile 9127	customer_email manasa	customer_usemame hello	customer_password hopefulife	customer_address kovur	customer_fina		
1	_	_	_	_	_	_		_		
1 2 3	3	MANASA	9127	manasa	hello	hopefulife	kovur	NULL		

2nd Query for "<=":-

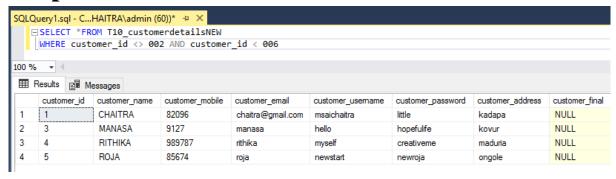
SELECT *FROM T10_customerdetailsNEW
WHERE customer_id <= 008</pre>

Output:-

	SELECT *FR	HAITRA\admin(OM T10_custom omer_id <= 00	erdetailsNEW					
100 %		essages						
	customer_id	customer_name	customer_mobile	customer_email	customer_usemame	customer_password	customer_address	customer_final
1	1	CHAITRA	82096	chaitra@gmail.com	msaichaitra	little	kadapa	NULL
2	2	CHAITRA	80825	chaitra	chaitrareddy	msaichaitra	kadapa	NULL
3	3	MANASA	9127	manasa	hello	hopefulife	kovur	NULL
4	4	RITHIKA	989787	rithika	myself	creativeme	maduria	NULL
5	5	ROJA	85674	roja	newstart	newroja	ongole	NULL
6	6	DEEPTI	8083	deepti	life	rightdeepti	belgum	NULL
7	7	AMRUTHA	8082	amrutha	takerest	meamrutha	vizag	NULL
8	8	PRAGYA	85654	hemma	nayikahani	newpragya	manglore	NULL

1st Query for "<>":-

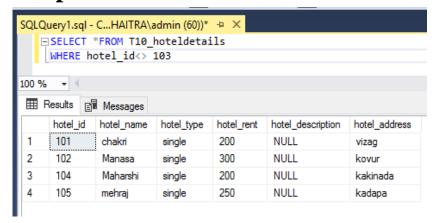
SELECT *FROM T10_customerdetailsNEW
WHERE customer_id <> 002 AND customer_id < 006</pre>



2nd Query for "<>":-

SELECT *FROM T10_hoteldetails
WHERE hotel id<> 103

Output:-



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

1st Query for AND:-

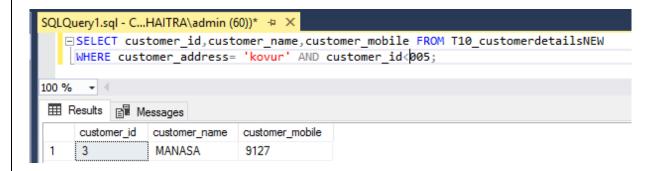
```
SELECT customer_id,customer_name,customer_mobile FROM
T10_customerdetailsNEW
WHERE customer_username= 'chaitrareddy' AND customer_address='kadapa';
```

Output:-



2nd Query for AND:-

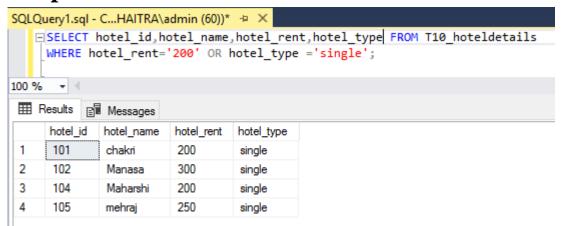
```
SELECT customer_id,customer_name,customer_mobile FROM
T10_customerdetailsNEW
WHERE customer_address= 'kovur' AND customer_id<005;</pre>
```



1st Query for OR:-

```
SELECT hotel_id,hotel_name,hotel_rent,hotel_type
FROM T10_hoteldetails
WHERE hotel_rent='200' OR hotel_type ='single';
```

Output:-



2nd Query for OR:-

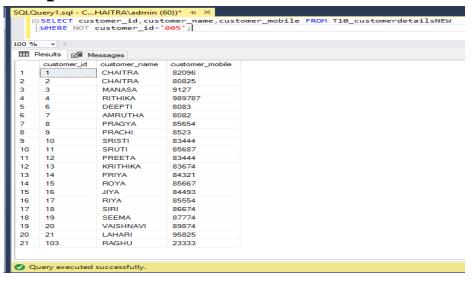
```
SELECT customer_id,customer_name,customer_mobile,customer_email
FROM T10_customerdetailsNEW
WHERE customer_mobile='8025' OR customer_email ='chaitra';
```



1st Query for NOT:-

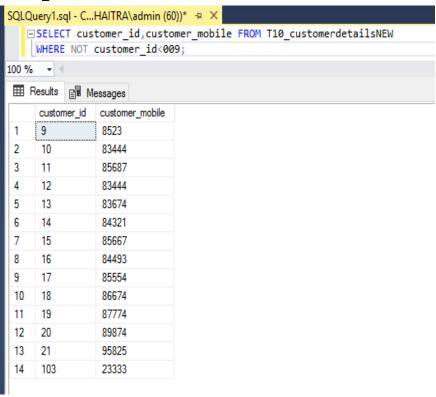
SELECT customer_id,customer_name,customer_mobile FROM
T10_customerdetailsNEW
WHERE NOT customer_id='005';

Output:-



2nd Query for NOT:-

SELECT customer_id,customer_mobile FROM T10_customerdetailsNEW
WHERE NOT customer_id<009;</pre>



1st Query for IN:-

```
SELECT *FROM T10_customerdetailsNEW
WHERE customer_id IN(002,006);
```

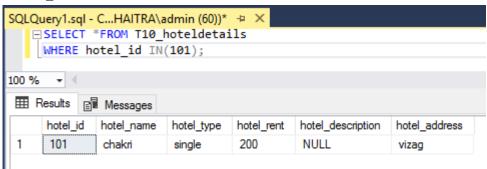
Output:-



2nd Query for IN:-

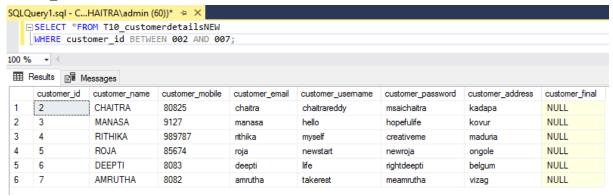
```
SELECT *FROM T10_hoteldetails
WHERE hotel_id IN(101);
```

Output:-



1st Query for BETWEEN:-

```
SELECT *FROM T10_customerdetailsNEW
WHERE customer_id BETWEEN 002 AND 007;
```



2nd Query for BETWEEN:-

SELECT *FROM T10_hoteldetails
WHERE hotel_id BETWEEN 101 AND 104

