

PRACTICAL EXPERIMENT-6

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Use the tables and data in Experiment – 5, In-Lab section and work on the following queries

1.Display the list of customers available in a branch.

A. select c.cust_name from Customer c INNER JOIN branch b on c.cust_id=b.c_id;

```
labs=# select c.cust_name from Customer c INNER JOIN branch b on c.cust_id=b.c_id;
cust_name
-----
raju
raju
hari
giri
ramu
ramu
hari
gopi
karthik
giri
(10 rows)
```

2.Create a SQL query to know the older of all the customers

A. select max(dob) from customer;

```
labs=# select max(dob) from customer;
max
-----
25-03-1999
(1 row)
```

3. Write a SQL query to calculate the total amount generated by giving contract permission for amount per seat

A.select sum(amount_per_seat) from contract_permission;

```
labs=# select sum(amount_per_seat) from contract_permission;
sum
-----
700
(1 row)
```

4. Create a query to display all the type of vehicles present

A. select distinct veh_type from vehicle;

```
labs=# select distinct veh_type from vehicle;
veh_type
-----
4_wheeler
2_wheeler
3_wheeler
(3 rows)
```

5. Write SQL query to display all the cities present in a given state.

A. select city from dealer where state='AndhraPradesh' or state='Telangana';

```
labs=# select city from dealer where state='AndhraPradesh' or state='Telangana';
city
-----
Guntur
Hyderabad
Hyderabad
Hyderabad
Hyderabad
Hyderabad
Hyderabad
Guntur
Guntur
Vijayawada
(10 rows)
```

6. Display the number of vehicles of customers who are not having photo identity

A. select count(v_id) from customer INNER JOIN vehicle on vehicle.veh_id=customer.y_id where customer.photo_identity='n';

```
labs=# select count(y_id) from customer INNER JOIN vehicle on vehicle.veh_id=customer.y_id where customer.photo_identity='n';
count
-----
3
(1 row)
```

7. Write SQL statement to search for vehicle type which is having the vehicle id as the smallest number

A. select veh_type from vehicle where veh_id=1;

```
labs=# select veh_type from vehicle where veh_id=1;
veh_type
-----
2_wheeler
(1 row)
```

8. Create a SQL query to know the branch name and phone number of a customer who is having license period of 2 years.

```
labs=# select b.branch_id, b.phno1 from branch b INNER JOIN renewal r on b.c_id=r.c_id where r.check_license_period=2;
branch_id | phno1
-----+-----
(0 rows)
```

9. Display the vehicle details for which maximum amount is paid per seat for contract permission.

A. select v.* from vehicle v INNER JOIN contract_permission c on v.veh_id=c.veh_id where amount_per_seat=(select max(amount_per_seat) from contract_permission);

```
veh_id | veh_type | veh_name | veh_number
-----+-----+-----+-----
10 | 4_wheeler | ambassador | TS4567
(1 row)
```

10. Write Co-related nested subquery to know the customer name, phone number, city whose branch name is 'Madhapur'

A. select c.cust_name,c.city,c.ph_no from customer c INNER JOIN branch b on c.cust_id=b.c_id where b.b_name=(select b_name from branch where b_name='madhapur');

```
cust_name | city | ph_no
-----+-----+-----
raju | Guntur | 9123456789
(1 row)
```

11. Create a view “Present_Customer” with customer name, phone number, state and city of customer and display the view.

A. create view Present_customer as select cust_name,ph_no,state,city from customer;

select * from Present_customer; //display the view

```
labs=# create view Present_customer as select cust_name,ph_no,state,city from customer;
CREATE VIEW
labs=# select * from Present_customer;
 cust_name | ph_no | state | city
-----+-----+-----+-----
 raju      | 9123456789 | Andhra Pradesh | Guntur
 hari      | 1122334455 | TamilNadu      | Perambur
 giri      | 8877665544 | Telangana       | Hyderabad
 ramu      | 7654564321 | Andhra Pradesh | Vijayawada
 rahul     | 9999999998 | Andhra Pradesh | Guntur
 gopi      | 7787777775 | Telangana       | Hyderabad
 karthik   | 7788776633 | Andhra Pradesh | Guntur
 gopal     | 6734556345 | Telangana       | Hyderabad
 Dinesh    | 6794537212 | Telangana       | Hyderabad
 Suresh    | 7896543233 | Andhra Pradesh | Vijayawada
(10 rows)
```

12. Write SQL query to show indexes on customer table.

A. SHOW INDEXES FROM customer;

13. Create a query to display the count of dealers from “Andhra Pradesh”

A. select count(*) from dealer where state='AndhraPradesh';

```
labs=# select count(*) from dealer where state='AndhraPradesh';
 count
-----
      4
(1 row)
```

14. Display the number of cities in each state

A. select count(city),state from customer group by state;

```
count | state
-----+-----
      5 | Andhra Pradesh
      4 | Telangana
      1 | TamilNadu
(3 rows)
```

15. Drop the view "Present_Customer"

A.drop view Present_customer;

```
labs=# drop view Present_customer;  
DROP VIEW
```