

1.Insert Records - Department

```
INSERT INTO department (department_id,department_name,department_block_number)
VALUES (1,'CSE',3),(2,'IT',3),(3,'SE',3);
```

2.Department name based on block number

```
SELECT department_name FROM department
WHERE department_block_number=3
ORDER BY department_name;
```

3.Student and their Department Based on City

```
SELECT s.student_name, d.department_name FROM student s
INNER JOIN department d ON s.department_id=d.department_id
WHERE s.city='Coimbatore'
ORDER BY s.student_name;
```

4.Car rental system - Create Table

```
CREATE TABLE OWNERS(
OWNER_ID VARCHAR(10) PRIMARY KEY,
OWNER_NAME VARCHAR(20),
ADDRESS VARCHAR(20),
PHONE_NO BIGINT,
EMAIL_ID VARCHAR(20));
```

5.Car rental system - add new column

```
ALTER TABLE CARS
ADD COLUMN CAR_REGNO VARCHAR(10);
```

6.car rental system - Insert values

```
INSERT INTO RENTALS VALUES
('R001','C007','V004','2018-03-10','2018-03-10',800,9000),
('R002','C001','V007','2018-03-11','2018-03-12',200,3000),
('R003','C007','V003','2018-04-15','2018-04-15',100,1500),
('R004','C007','V001','2018-05-16','2018-05-18',1000,10000),
('R005','C004','V005','2018-05-10','2018-05-12',900,11000),
('R006','C004','V006','2018-05-20','2018-05-21',200,2500);
```

7.Hunger eats - change datatype

```
ALTER TABLE CUSTOMERS MODIFY CUSTOMER_ID INT;
```

8.Hunger eats - update table

```
UPDATE CUSTOMERS
SET PHONE_NO=9876543210
WHERE CUSTOMER_ID='CUST1004';
```

9.Hunger eats - Change the field name

```
ALTER TABLE HOTEL_DETAILS CHANGE `RATING` `HOTEL_RATING` INT;
```

10.Delivery Partner details based on rating

```
SELECT PARTNER_ID, PARTNER_NAME, PHONE_NO FROM DELIVERY_PARTNERS
```

```
WHERE RATING BETWEEN 3 AND 5;
```

11.Car details based on type and name

```
SELECT car_id, car_name, car_type FROM cars
```

```
WHERE car_name LIKE 'Maruthi %'
```

```
AND car_type='Sedan'
```

```
ORDER BY car_id;
```

12.Customers having gmail id

```
SELECT CUSTOMER_ID, CUSTOMER_NAME, ADDRESS, PHONE_NO FROM CUSTOMERS
```

```
WHERE EMAIL_ID LIKE '%@gmail.com'
```

```
ORDER BY CUSTOMER_ID;
```

13.Car & owner details based on car type

```
SELECT CAR_ID, CAR_NAME, OWNER_ID FROM CARS
```

```
WHERE CAR_TYPE IN('Hatchback','SUV');
```

14.Concatenating Details

```
SELECT CONCAT(address," ",city) AS Address FROM Student
```

```
ORDER BY Address DESC;
```

15.Hotels that took order based on month

```
SELECT DISTINCT hotel_id, hotel_name, rating FROM hotel_details
```

```
WHERE hotel_id IN(SELECT hotel_id FROM ORDERS WHERE order_date BETWEEN '2019-07-01' AND '2019-07-31')
```

```
ORDER BY hotel_id;
```

16.Rental details based on date

```
SELECT RENTAL_ID, CAR_ID, CUSTOMER_ID, KM_DRIVEN FROM RENTALS
```

```
WHERE RETURN_DATE BETWEEN '2019-08-01' AND '2019-08-31'
```

```
ORDER BY RENTAL_ID;
```

17.Customer contact details

```
SELECT CUSTOMER_ID, CUSTOMER_NAME,
```

```
IFNULL(ADDRESS,IFNULL(EMAIL_ID, 'NA')) AS CONTACT_DETAILS
```

```
FROM CUSTOMERS;
```

18.No of time rented by each car

```
SELECT CAR_ID,COUNT(CAR_ID) AS NO_OF_TRIPS FROM RENTALS
```

```
GROUP BY CAR_ID
```

```
ORDER BY CAR_ID;
```

19. Review of delivery partner based on rating

```
SELECT PARTNER_ID, PARTNER_NAME,  
  
CASE WHEN RATING>=4 THEN 'GOOD' WHEN RATING>=2 AND RATING<4 THEN 'AVERAGE' WHEN  
RATING<2 THEN 'WORST' END AS REVIEW  
  
FROM DELIVERY_PARTNERS  
  
ORDER BY PARTNER_ID;
```

20. Total sale daywise

```
SELECT ORDER_DATE, SUM(ORDER_AMOUNT) AS TOTAL_SASLE FROM ORDERS  
  
GROUP BY ORDER_DATE  
  
ORDER BY ORDER_DATE;
```

21. Hotels not taken orders in a specific month

```
SELECT HOTEL_ID, HOTEL_NAME, HOTEL_TYPE FROM HOTEL_DETAILS  
  
WHERE HOTEL_ID NOT IN(SELECT HOTEL_ID FROM ORDERS WHERE ORDER_DATE BETWEEN '2019-05-01'  
AND '2019-05-31')  
  
ORDER BY HOTEL_ID;
```

22. Hotels that took order more than five times

```
SELECT HD.hotel_id, HD.hotel_name, count(O.hotel_id) AS NO_OF_ORDERS FROM hotel_details HD  
  
INNER JOIN orders O ON HD.hotel_id=O.hotel_id  
  
GROUP BY O.hotel_id  
  
HAVING NO_OF_ORDERS>5;
```

23. Credential details

```
SELECT CONCAT(owner_name, owner_id) AS USERNAME,  
  
CONCAT(SUBSTR(owner_name, 1, 3), owner_id) AS PASSWORD FROM owners  
  
ORDER BY USERNAME;
```

24. Maruthi car owner details

```
SELECT owner_id, owner_name, address, phone_no FROM owners  
  
WHERE owner_id IN(SELECT owner_id FROM cars WHERE car_name LIKE 'Maruthi %' )  
  
ORDER BY owner_id;
```

25. Cars not taken for rent

```
SELECT car_id, car_name, car_type FROM cars  
WHERE car_id NOT IN(SELECT car_id FROM rentals)  
ORDER BY car_id;
```

26. Hotel info

```
SELECT CONCAT(hotel_name, ' is a ', hotel_type, ' hotel') AS HOTEL_INFO FROM hotel_details  
ORDER BY HOTEL_INFO DESC;
```

27.Customer mail details

```
SELECT CONCAT(customer_id,' mail id is ',email_id) AS CUSTOMER_MAIL_INFO FROM customers  
  
ORDER BY CUSTOMER_MAIL_INFO;
```

28.Order details

```
SELECT O.order_id, C.customer_name, HD.hotel_name, O.order_amount FROM orders O  
  
INNER JOIN customers C ON O.customer_id=C.customer_id  
  
INNER JOIN hotel_details HD ON O.hotel_id=HD.hotel_id  
  
ORDER BY O.order_id;
```