DBMS

S20220010093

Question no 1 (a)

```
mysql> select*from customer;
+---------+--------------+-----------+----------------+---------+--------------+-------+
| Cust_ID | name         | city      | state          | pincode | products     | price |
+---------+--------------+-----------+----------------+---------+--------------+-------+
| C101    | Alex William | Indore    | Madya pradesh  | 452013  | chair        | 4000  |
| C102    | Alex William | Pune      | Maharastra     | 652016  | table        | 8000  |
| C103    | V.Iyer       | Chennai   | Tamil Nadu     | 752716  | table        | 8001  |
| C104    | L.laxmi      | Chennai   | Tamil Nadu     | 752717  | doll         |   200 |
| C105    | RAvi Teja    | Hyderabad | Telangana      | 252727  | doll         |   250 |
| C106    | Raj kumar    | Delhi     | Delhi          | 151127  | Cricket kit  | 5250  |
| C107    | Tuner bond   | Bhopal    | Madhya Pradesh | 451127  | football kit | 3250  |
| C108    | Nikhil Yadav | Chennai   | Tamil Nadu     | 751127  | footballkit  | 6250  |
| C109    | John         | Mumbai    | Maharstra      | 651127  | footballkit  | 6255  |
+---------+--------------+-----------+----------------+---------+--------------+-------+
9 rows in set (0.00 sec)

mysql>
```

Q1-b(1,2)

Q1-b(3,4,5)

Q1_b(6,7,8)

```
mysql> select*
    -> from customer
    -> where price >5000;
+---------+---------------+---------+-------------+---------+-------------+-------+
| Cust_ID | name          | city    | state       | pincode | products    | price |
+---------+---------------+---------+-------------+---------+-------------+-------+
| C102    | Alex William  | Pune    | Maharastra  | 652016  | table       | 8000  |
| C103    | V.Iyer        | Chennai | Tamil Nadu  | 752716  | table       | 8001  |
| C106    | Raj kumar     | Delhi   | Delhi       | 151127  | Cricket kit | 5250  |
| C108    | Nikhil Yadav  | Chennai | Tamil Nadu  | 751127  | footballkit | 6250  |
| C109    | John          | Mumbai  | Maharstra   | 651127  | footballkit | 6255  |
+---------+---------------+---------+-------------+---------+-------------+-------+
5 rows in set (0.04 sec)

mysql> select*
    -> from customer
    -> ^C
mysql> select Cust_ID
    -> from customer
    -> where city IN ('Hyderabad','Delhi','pune');
+---------+
| Cust_ID |
+---------+
| C102    |
| C105    |
| C106    |
+---------+
3 rows in set (0.00 sec)

mysql> select*
    -> from customer
    -> where price > 2000 AND price <=5000;
+---------+---------------+---------+----------------+---------+--------------+-------+
| Cust_ID | name          | city    | state          | pincode | products     | price |
+---------+---------------+---------+----------------+---------+--------------+-------+
| C101    | Alex William  | Indore  | Madya pradesh  | 452013  | chair        | 4000  |
| C107    | Tuner bond    | Bhopal  | Madhya Pradesh | 451127  | football kit | 3250  |
+---------+---------------+---------+----------------+---------+--------------+-------+
2 rows in set (0.00 sec)

mysql> select name,city,state
```

Q1_b(8,9,10)


```
+--------+--------------+----------+----------------+--------+--------------+-------+
| C101   | Alex William | Indore   | Madya pradesh  | 452013 | chair        | 4000  |
| C107   | Tuner bond   | Bhopal   | Madhya Pradesh | 451127 | football kit | 3250  |
+--------+--------------+----------+----------------+--------+--------------+-------+
2 rows in set (0.00 sec)

mysql> select name,city,state
    -> from customer
    -> where state <> 'Tamil Nadu';
+--------------+-----------+----------------+
| name         | city      | state          |
+--------------+-----------+----------------+
| Alex William | Indore    | Madya pradesh  |
| Alex William | Pune      | Maharastra     |
| RAvi Teja    | Hyderabad | Telangana      |
| Raj kumar    | Delhi     | Delhi          |
| Tuner bond   | Bhopal    | Madhya Pradesh |
| John         | Mumbai    | Maharstra      |
+--------------+-----------+----------------+
6 rows in set (0.00 sec)

mysql> UPDATE customer
    -> set name = 'Johney'
    -> where name = 'John';
Query OK, 1 row affected (0.04 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select* from customer;
+---------+--------------+-----------+----------------+---------+--------------+-------+
| Cust_ID | name         | city      | state          | pincode | products     | price |
+---------+--------------+-----------+----------------+---------+--------------+-------+
| C101    | Alex William | Indore    | Madya pradesh  | 452013  | chair        | 4000  |
| C102    | Alex William | Pune      | Maharastra     | 652016  | table        | 8000  |
| C103    | V.Iyer       | Chennai   | Tamil Nadu     | 752716  | table        | 8001  |
| C104    | L.laxmi      | Chennai   | Tamil Nadu     | 752717  | doll         | 200   |
| C105    | RAvi Teja    | Hyderabad | Telangana      | 252727  | doll         | 250   |
| C106    | Raj kumar    | Delhi     | Delhi          | 151127  | Cricket kit  | 5250  |
| C107    | Tuner bond   | Bhopal    | Madhya Pradesh | 451127  | football kit | 3250  |
| C108    | Nikhil Yadav | Chennai   | Tamil Nadu     | 751127  | footballkit  | 6250  |
| C109    | Johney       | Mumbai    | Maharstra      | 651127  | footballkit  | 6255  |
+---------+--------------+-----------+----------------+---------+--------------+-------+
9 rows in set (0.00 sec)

mysql>
```

Question no 2 (1)

Question no 2 (2)

```
mysql>  insert into employee(emp_no,emp_name,doj,ph_no,dept_name,designation,salary,gender) values (1234,'Sarala','2020-01-02','9444123456','Sales','HR',70000,'F'),
    -> (3452,'Amogh','2019-01-01','9464123456','Sales','Sales manager',72000,'M'),
    -> (4312,'Qasim','2019-04-01','9444123423','Sales','Sales representative',7000,'M'),
    -> (4112,'Swathi','2019-04-23',NULL,'Sales','Typist',3300,'F'),
    -> (6693,'Manoj','2019-03-01','9444125357','HR','Marketing',17000,'M'),
    -> (4345,'Devi kumar','2020-01-01','9448563456','HR','HR',70000,'F'),
    -> (5744,'Hari dev','2019-03-01','9464893456','Marketing','Receptionist',2000,'M'),
    -> (7899,'William Jane','2019-04-12',NULL,'Marketing','Typist',4000,'F'),
    -> (3451,'Dennis','2019-11-01','8244125357','Marketing','sales representative',7000,'M'),
    -> (2399,'Govind','2019-03-1','8346123423','Accounts','Typist',4500,'M'),
    -> (4599,'Dhanad','2019-04-2','8456123423','Accounts','Typist',4000,'M'),
    -> (2399,'Khurana','2019-03-1','9448903423','Accounts','CA',14500,'M'),
    -> (4599,'Suraj','2019-04-2','9426123423','Accounts','CA',46000,'M');
Query OK, 13 rows affected (0.01 sec)
Records: 13  Duplicates: 0  Warnings: 0
```

```
mysql> select * from employee;
+--------+--------------+------------+------------+-----------+---------------------+--------+--------+
| emp_no | emp_name     | doj        | ph_no      | dept_name | designation         | salary | gender |
+--------+--------------+------------+------------+-----------+---------------------+--------+--------+
|   1234 | Sarala       | 2020-01-02 | 9444123456 | Sales     | HR                  |  70000 | F      |
|   3452 | Amogh        | 2019-01-01 | 9464123456 | Sales     | Sales manager       |  72000 | M      |
|   4312 | Qasim        | 2019-04-01 | 9444123423 | Sales     | Sales representative |  7000 | M      |
|   4112 | Swathi       | 2019-04-23 | NULL       | Sales     | Typist              |   3300 | F      |
|   6693 | Manoj        | 2019-03-01 | 9444125357 | HR        | Marketing           |  17000 | M      |
|   4345 | Devi kumar   | 2020-01-01 | 9448563456 | HR        | HR                  |  70000 | F      |
|   5744 | Hari dev     | 2019-03-01 | 9464893456 | Marketing | Receptionist        |   2000 | M      |
|   7899 | William Jane | 2019-04-12 | NULL       | Marketing | Typist              |   4000 | F      |
|   3451 | Dennis       | 2019-11-01 | 8244125357 | Marketing | sales representative |  7000 | M      |
|   2399 | Govind       | 2019-03-01 | 8346123423 | Accounts  | Typist              |   4500 | M      |
|   4599 | Dhanad       | 2019-04-02 | 8456123423 | Accounts  | Typist              |   4000 | M      |
|   2399 | Khurana      | 2019-03-01 | 9448903423 | Accounts  | CA                  |  14500 | M      |
|   4599 | Suraj        | 2019-04-02 | 9426123423 | Accounts  | CA                  |  46000 | M      |
+--------+--------------+------------+------------+-----------+---------------------+--------+--------+
13 rows in set (0.00 sec)
```
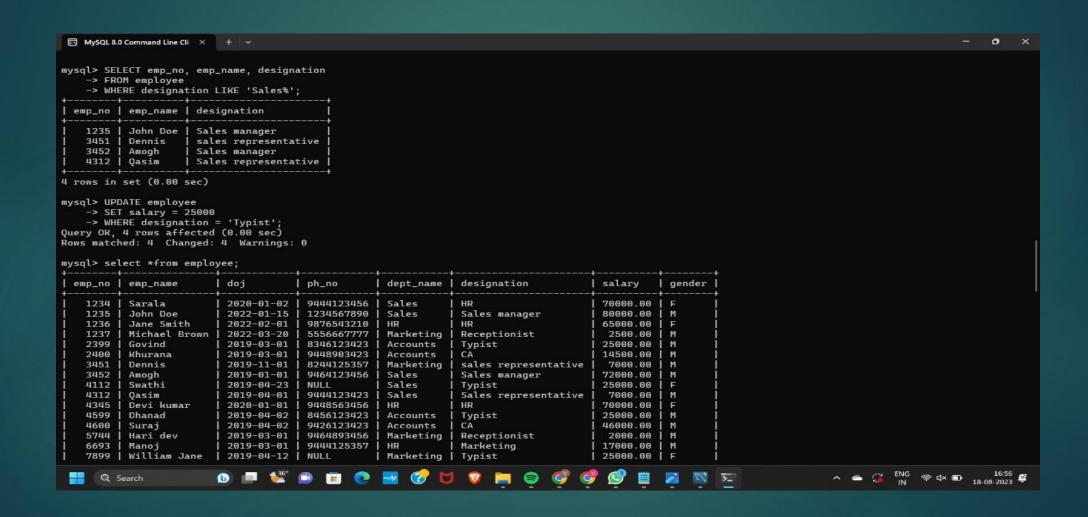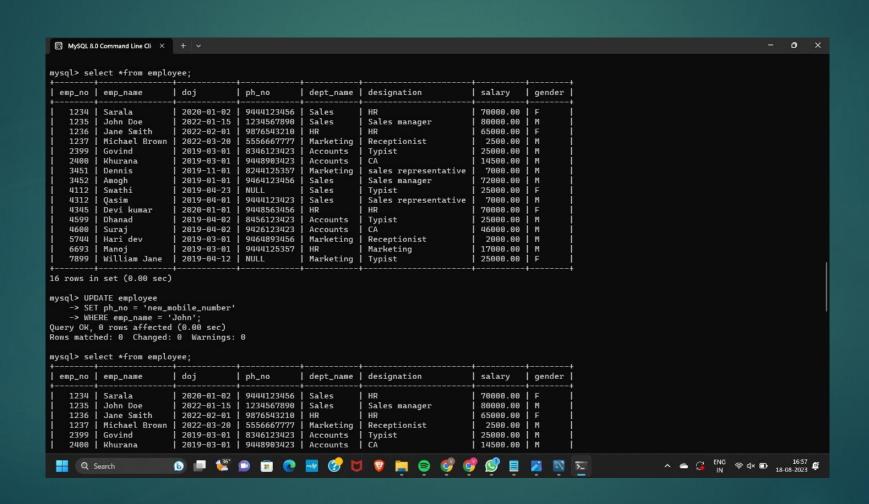
Question no 2 (3,4)
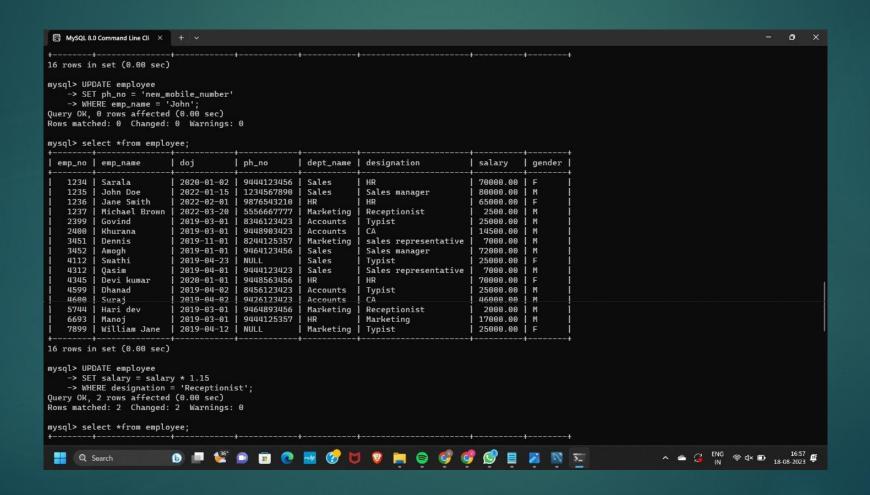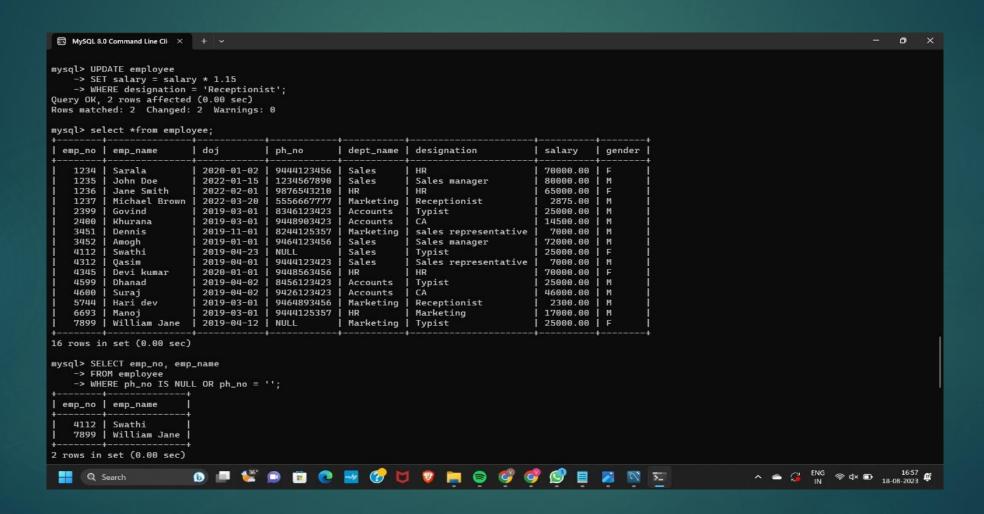
Question no 2 (5,6)

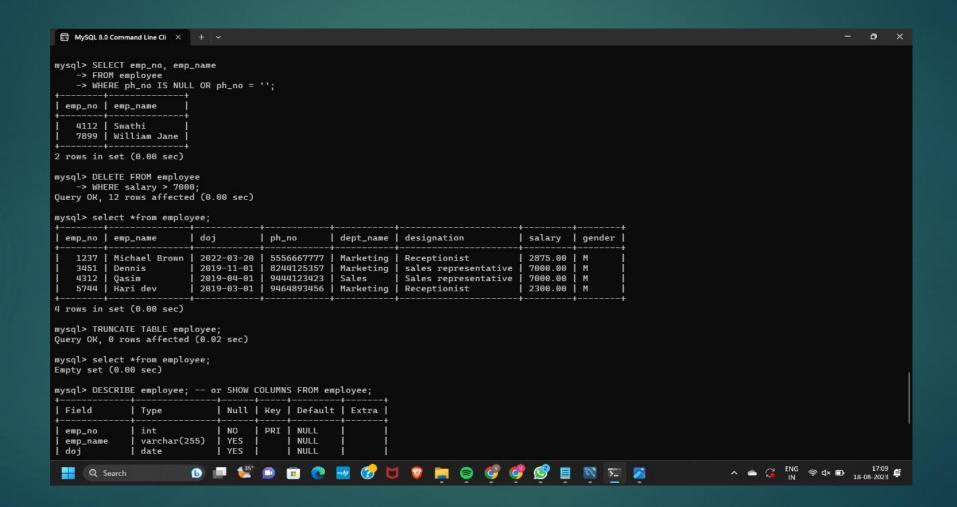# Question no 2 (7,8)

Question no 2 (8)

Question no 2 (9)

Question no 2 (10,11)

Question no 2 (11,12)

Question no 2 (13,14)