DBMS LAB ASSIGNMENT - 2

ABHINAV KUMAR

20051334

Question 5: Describe the table employee.

Query:

```
mysql> DESCRIBE Employee;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| Emp_ID     | int         | YES  |     | NULL    |       |
| F_Name     | varchar(10) | YES  |     | NULL    |       |
| L_Name     | varchar(10) | YES  |     | NULL    |       |
| Job_Type   | varchar(20) | YES  |     | NULL    |       |
| Salary     | int         | YES  |     | NULL    |       |
| Commission | int         | YES  |     | NULL    |       |
| Dept       | varchar(20) | YES  |     | NULL    |       |
| Manager_ID | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
8 rows in set (0.01 sec)
```

Question 6: Add a new column DOJ to Employee Table.

Query:

```
mysql> ALTER TABLE Employee
    -> ADD COLUMN DOJ varchar(20);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

Question 7: Create a new table Department with attributes D_Name, D_Loc, Hod_ID.

Query:

```
mysql> CREATE TABLE Department(D_Name varchar(20), D_Loc varchar(5), Hod_ID int);
Query OK, 0 rows affected (0.03 sec)
```

Question 8: Create another table named Location with attributes Loc_ID, City, and Contact_No.

Query:

```
mysql> CREATE TABLE Location(Loc_ID int, City varchar(20), Contact_No int);
Query OK, 0 rows affected (0.02 sec)
```

Question 9: Enhance the size of the City attribute in the Location table by 5.

Query:

```
mysql> DESCRIBE Location;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| Loc_ID     | int         | YES  |     | NULL    |       |
| City       | varchar(20) | YES  |     | NULL    |       |
| Contact_No | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)

mysql> ALTER TABLE Location
    -> MODIFY City varchar(25);
Query OK, 0 rows affected (0.02 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESCRIBE Location;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| Loc_ID     | int         | YES  |     | NULL    |       |
| City       | varchar(25) | YES  |     | NULL    |       |
| Contact_No | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

Question 10: Delete the Contact_No Attribute from the Location table.

Query:

```
mysql> DESCRIBE Location;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| Loc_ID     | int         | YES  |     | NULL    |       |
| City       | varchar(25) | YES  |     | NULL    |       |
| Contact_No | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)

mysql> ALTER TABLE Location
    -> DROP COLUMN Contact_No;
Query OK, 0 rows affected (0.04 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESCRIBE Location;
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| Loc_ID | int         | YES  |     | NULL    |       |
| City   | varchar(25) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
2 rows in set (0.01 sec)
```

Question 11: Rename the city attribute in the location table to address.

Query:

```
mysql> ALTER TABLE Location
    -> CHANGE COLUMN City Address varchar(30);
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> DESCRIBE Location;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| Loc_ID  | int         | YES  |     | NULL    |       |
| Address | varchar(30) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
2 rows in set (0.01 sec)
```

Question 12: Change the name of the table from Location to Loc.

Query:

```
mysql> ALTER TABLE Location
    -> RENAME TO Loc;
Query OK, 0 rows affected (0.02 sec)

mysql> DESCRIBE Loc;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| Loc_ID  | int         | YES  |     | NULL    |       |
| Address | varchar(30) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```

Question 13: Insert values into the Loc table.

Query:

```
mysql> INSERT INTO Loc VALUES(1, 'Kolkata');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Loc VALUES(2, 'Mumbai');
Query OK, 1 row affected (0.00 sec)
```

Question 14: Show the values of the Location table.

Query:

```
mysql> SELECT*FROM Loc;
+--------+---------+
| Loc_ID | Address |
+--------+---------+
|      1 | Kolkata |
|      2 | Mumbai  |
+--------+---------+
2 rows in set (0.00 sec)
```

Question 15: Delete all values and spaces consumed by the Loc table.

Query:

```
mysql> DELETE FROM Loc;
Query OK, 2 rows affected (0.00 sec)

mysql> SELECT*FROM Loc;
Empty set (0.00 sec)
```

Question 16: Delete the Loc table.

Query:

```
mysql> DROP TABLE Loc;
Query OK, 0 rows affected (0.03 sec)

mysql> SHOW TABLES;
+--------------------+
| Tables_in_smurfing |
+--------------------+
| department         |
| employee           |
+--------------------+
2 rows in set (0.00 sec)
```

Question 17: Insert the values into the Department table.

Query:

```
mysql> INSERT INTO Department VALUES('Sales', 'Kol', 4);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Department VALUES('Accounts', 'Delhi', 6);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Department VALUES('Production', 'Kol', 1);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Department VALUES('Marketing', 'Kol', 2);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Department VALUES('R&D', 'Delhi', 8);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT*FROM Department;
+------------+-------+--------+
| D_Name     | D_Loc | Hod_ID |
+------------+-------+--------+
| Sales      | Kol   |      4 |
| Accounts   | Delhi |      6 |
| Production | Kol   |      1 |
| Marketing  | Kol   |      2 |
| R&D        | Delhi |      8 |
+------------+-------+--------+
5 rows in set (0.00 sec)
```

Question 18: Insert the values into the Employee table.

Query:

```
mysql> INSERT INTO Employee VALUES(1, 'Arun', 'Khan', 'Manager', 90000, NULL, 'Production', NULL, '4 Jan 1998');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(1, 'Barun', 'Kumar', 'Manager', 80000, NULL, 'Marketing', NULL, '9 Feb 1998');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(3, 'Chitra', 'Kapoor', 'Engineer', 60000, NULL, 'Production', 1, '8 Jan 1998');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(4, 'Dheeraj', 'Mishra', 'Manager', 75000, NULL, 'Sales', 2, '27 Dec 2001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(5, 'Emma', 'Dutt', 'Engineer', 55000, NULL, 'Production', 1, '20 Mar 2002');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(6, 'Floki', 'Dutt', 'Accountant', 70000, NULL, 'Accounts', NULL, '16 Jul 2000');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(7, 'Dheeraj', 'Kumar', 'Clerk', 40000, NULL, 'Accounts', 6, '1 Jul 2000');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(8, 'Saul', 'Good', 'Engineer', 60000, NULL, 'R&D', NULL, '6 Sep 2014');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(9, 'Mou', 'Bhat', 'Clerk', 30000, NULL, 'Sales', 4, '8 Mar 2018');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(10, 'Sunny', 'Deol', 'Salesman', 20000, 10000, 'Marketing', 2, '31 Mar 2001');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(11, 'Bobby', 'Deol', 'Engineer', 35000, NULL, 'R&D', 8, '17 Oct 2017');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(12, 'Amir', 'Khan', 'Salesman', 15000, 5000, 'Marketing', 2, '11 Jan 2013');
Query OK, 1 row affected (0.01 sec)
```

Question 19: Save the database.

Query:

```
mysql> COMMIT;
Query OK, 0 rows affected (0.00 sec)
```

Question 20: Show all the attributes of the Department table.

Query:

```
mysql> SELECT*FROM Department;
+------------+-------+--------+
| D_Name     | D_Loc | Hod_ID |
+------------+-------+--------+
| Sales      | Kol   |      4 |
| Accounts   | Delhi |      6 |
| Production | Kol   |      1 |
| Marketing  | Kol   |      2 |
| R&D        | Delhi |      8 |
+------------+-------+--------+
5 rows in set (0.00 sec)
```

Question 21: Display the department names and their locations.

Query:

```
mysql> SELECT D_Name, D_Loc FROM Department;
+------------+-------+
| D_Name     | D_Loc |
+------------+-------+
| Sales      | Kol   |
| Accounts   | Delhi |
| Production | Kol   |
| Marketing  | Kol   |
| R&D        | Delhi |
+------------+-------+
5 rows in set (0.00 sec)
```

Question 22: Show the employee's First name, Last name, Current Salary, and Salary with a 1000 rupees bonus.

Query:

```
mysql> SELECT F_Name, L_Name, Salary, Salary+1000 FROM Employee;
+---------+--------+--------+-------------+
| F_Name  | L_Name | Salary | Salary+1000 |
+---------+--------+--------+-------------+
| Arun    | Khan   |  90000 |       91000 |
| Barun   | Kumar  |  80000 |       81000 |
| Chitra  | Kapoor |  60000 |       61000 |
| Dheeraj | Mishra |  75000 |       76000 |
| Emma    | Dutt   |  55000 |       56000 |
| Floki   | Dutt   |  70000 |       71000 |
| Dheeraj | Kumar  |  40000 |       41000 |
| Saul    | Good   |  60000 |       61000 |
| Mou     | Bhat   |  30000 |       31000 |
| Sunny   | Deol   |  20000 |       21000 |
| Bobby   | Deol   |  35000 |       36000 |
| Amir    | Khan   |  15000 |       16000 |
+---------+--------+--------+-------------+
12 rows in set (0.00 sec)
```

Question 23: Show the employee's annual salary with a 1000 rupees bonus and the annual salary with a 100 rupees bonus.

Query:

```
mysql> SELECT Salary*12 + 1000, Salary*12 + 100 FROM Employee;
+------------------+-----------------+
| Salary*12 + 1000 | Salary*12 + 100 |
+------------------+-----------------+
|          1081000 |         1080100 |
|           961000 |          960100 |
|           721000 |          720100 |
|           901000 |          900100 |
|           661000 |          660100 |
|           841000 |          840100 |
|           481000 |          480100 |
|           721000 |          720100 |
|           361000 |          360100 |
|           241000 |          240100 |
|           421000 |          420100 |
|           181000 |          180100 |
+------------------+-----------------+
12 rows in set (0.00 sec)
```

Question 24: Show F_Name as Name and Annual Salary as Annsal from the Employee table.

Query:

```
mysql> SELECT F_Name AS Name, Salary AS Annsal FROM Employee;
+---------+--------+
| Name    | Annsal |
+---------+--------+
| Arun    |  90000 |
| Barun   |  80000 |
| Chitra  |  60000 |
| Dheeraj |  75000 |
| Emma    |  55000 |
| Floki   |  70000 |
| Dheeraj |  40000 |
| Saul    |  60000 |
| Mou     |  30000 |
| Sunny   |  20000 |
| Bobby   |  35000 |
| Amir    |  15000 |
+---------+--------+
12 rows in set (0.00 sec)
```

Question 25: Show the L_Name as SurName and 100 Rupees incremented Salary as NewSal from the Employee table.

Query:

```
mysql> SELECT L_Name AS SurName, Salary+100 AS NewSal FROM Employee;
+---------+--------+
| SurName | NewSal |
+---------+--------+
| Khan    |  90100 |
| Kumar   |  80100 |
| Kapoor  |  60100 |
| Mishra  |  75100 |
| Dutt    |  55100 |
| Dutt    |  70100 |
| Kumar   |  40100 |
| Good    |  60100 |
| Bhat    |  30100 |
| Deol    |  20100 |
| Deol    |  35100 |
| Khan    |  15100 |
+---------+--------+
12 rows in set (0.00 sec)
```

Question 26: Display the Employees F_Name and L_Name joined together using the Concatenation operator.

Query:

```
mysql> SELECT CONCAT(F_Name, L_Name) FROM Employee;
+------------------------+
| CONCAT(F_Name, L_Name) |
+------------------------+
| ArunKhan               |
| BarunKumar             |
| ChitraKapoor           |
| DheerajMishra          |
| EmmaDutt               |
| FlokiDutt              |
| DheerajKumar           |
| SaulGood               |
| MouBhat                |
| SunnyDeol              |
| BobbyDeol              |
| AmirKhan               |
+------------------------+
12 rows in set (0.00 sec)
```

Question 27: Show the F_Name, L_Name, and Job_Type as Employees.

Query:

```
mysql> SELECT CONCAT(F_Name, L_Name, Job_Type) AS Employee FROM Employee;
+----------------------+
| Employee             |
+----------------------+
| ArunKhanManager      |
| BarunKumarManager    |
| ChitraKapoorEngineer |
| DheerajMishraManager |
| EmmaDuttEngineer     |
| FlokiDuttAccountant  |
| DheerajKumarClerk    |
| SaulGoodEngineer     |
| MouBhatClerk         |
| SunnyDeolSalesman    |
| BobbyDeolEngineer    |
| AmirKhanSalesman     |
+----------------------+
12 rows in set (0.00 sec)
```

Question 28: Show the Employee Details in the following fashion:

Employee Details

Arun Khan is a Manager

Barun Kumar is a Manager

Query:

```
mysql> SELECT CONCAT(F_Name, " ", L_Name, "is a ", Job_Type) AS Employees FROM Employee;
+---------------------------+
| Employees                 |
+---------------------------+
| Arun Khanis a Manager     |
| Barun Kumaris a Manager   |
| Chitra Kapooris a Engineer |
| Dheeraj Mishrais a Manager |
| Emma Duttis a Engineer    |
| Floki Duttis a Accountant |
| Dheeraj Kumaris a Clerk   |
| Saul Goodis a Engineer    |
| Mou Bhatis a Clerk        |
| Sunny Deolis a Salesman   |
| Bobby Deolis a Engineer   |
| Amir Khanis a Salesman    |
+---------------------------+
12 rows in set (0.00 sec)
```

Question 29: Show the monthly Salary details in the following fashion:

Monthly Salary Details

Arun's Monthly Salary is 90000

Query:

```
mysql> SELECT CONCAT(F_Name, "'s monthly salary is ", Salary) AS Employees FROM Employee;
+---------------------------------+
| Employees                       |
+---------------------------------+
| Arun's monthly salary is 90000  |
| Barun's monthly salary is 80000 |
| Chitra's monthly salary is 60000 |
| Dheeraj's monthly salary is 75000 |
| Emma's monthly salary is 55000  |
| Floki's monthly salary is 70000 |
| Dheeraj's monthly salary is 40000 |
| Saul's monthly salary is 60000  |
| Mou's monthly salary is 30000   |
| Sunny's monthly salary is 20000 |
| Bobby's monthly salary is 35000 |
| Amir's monthly salary is 15000  |
+---------------------------------+
12 rows in set (0.00 sec)
```

Question 30: Show the department names from the Employee table.

Query:

```
mysql> SELECT Job_Type FROM Employee;
+------------+
| Job_Type   |
+------------+
| Manager    |
| Manager    |
| Engineer   |
| Manager    |
| Engineer   |
| Accountant |
| Clerk      |
| Engineer   |
| Clerk      |
| Salesman   |
| Engineer   |
| Salesman   |
+------------+
12 rows in set (0.00 sec)
```

Question 31: Show the distinct department names from the Employee Table.

Query:

```
mysql> SELECT DISTINCT Dept FROM Employee;
+------------+
| Dept       |
+------------+
| Production |
| Marketing  |
| Sales      |
| Accounts   |
| R&D        |
+------------+
5 rows in set (0.00 sec)
```

Question 32: Show the Employees earning more than 50000.

Query:

```
mysql> SELECT*FROM Employee WHERE Salary>50000;
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      1 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
7 rows in set (0.00 sec)
```

Question 33: Show the Employee's ID's who aren't working under Manager ID=1.

Query:

```
mysql> SELECT*FROM Employee WHERE Manager_ID <> 1;
+--------+---------+--------+----------+--------+------------+-----------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type | Salary | Commission | Dept      | Manager_ID | DOJ         |
+--------+---------+--------+----------+--------+------------+-----------+------------+-------------+
|      4 | Dheeraj | Mishra | Manager  |  75000 |       NULL | Sales     |          2 | 27 Dec 2001 |
|      7 | Dheeraj | Kumar  | Clerk    |  40000 |       NULL | Accounts  |          6 | 1 Jul 2000  |
|      9 | Mou     | Bhat   | Clerk    |  30000 |       NULL | Sales     |          4 | 8 Mar 2018  |
|     10 | Sunny   | Deol   | Salesman |  20000 |      10000 | Marketing |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer |  35000 |       NULL | R&D       |          8 | 17 Oct 2017 |
|     12 | Amir    | Khan   | Salesman |  15000 |       5000 | Marketing |          2 | 11 Jan 2013 |
+--------+---------+--------+----------+--------+------------+-----------+------------+-------------+
6 rows in set (0.00 sec)
```

Question 34: Show the Employee's names and salaries whose salary ranges between 40000 and 70000.

Query:

```
mysql> SELECT F_Name, L_Name, Salary FROM Employee WHERE Salary BETWEEN 40000 AND 70000;
+---------+--------+--------+
| F_Name  | L_Name | Salary |
+---------+--------+--------+
| Chitra  | Kapoor |  60000 |
| Emma    | Dutt   |  55000 |
| Floki   | Dutt   |  70000 |
| Dheeraj | Kumar  |  40000 |
| Saul    | Good   |  60000 |
+---------+--------+--------+
5 rows in set (0.00 sec)
```

Question 35: Show the Employees who work for Manager_ID 1,6, or 8.

Query:

```
mysql> SELECT*FROM Employee WHERE Manager_ID IN(1,6,8);
+--------+---------+--------+----------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+----------+--------+------------+------------+------------+-------------+
|      3 | Chitra  | Kapoor | Engineer |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      5 | Emma    | Dutt   | Engineer |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      7 | Dheeraj | Kumar  | Clerk    |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|     11 | Bobby   | Deol   | Engineer |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
+--------+---------+--------+----------+--------+------------+------------+------------+-------------+
4 rows in set (0.00 sec)
```

Question 36: Select the First names and Salaries of those Employees whose last name is Khan.

Query:

```
mysql> SELECT F_Name, Salary FROM Employee WHERE L_Name='Khan';
+--------+--------+
| F_Name | Salary |
+--------+--------+
| Arun   |  90000 |
| Amir   |  15000 |
+--------+--------+
2 rows in set (0.00 sec)
```

Quesiton 37: Select First name and Salaries of those Employees whose last name starts with 'K'.

Query:

```
mysql> SELECT F_Name, Salary FROM Employee WHERE L_Name LIKE 'K%';
+---------+--------+
| F_Name  | Salary |
+---------+--------+
| Arun    |  90000 |
| Barun   |  80000 |
| Chitra  |  60000 |
| Dheeraj |  40000 |
| Amir    |  15000 |
+---------+--------+
5 rows in set (0.00 sec)
```

Question 38: Select the First name, Last name and Salary of those Employees whose Last name starts with 'K' and ends with 'R'.

Query:

```
mysql> SELECT F_Name, L_Name, Salary FROM Employee WHERE L_Name LIKE 'K%R';
+---------+--------+--------+
| F_Name  | L_Name | Salary |
+---------+--------+--------+
| Barun   | Kumar  |  80000 |
| Chitra  | Kapoor |  60000 |
| Dheeraj | Kumar  |  40000 |
+---------+--------+--------+
3 rows in set (0.00 sec)
```

Question 39: Select the Employees whose 3rd letter of their last name is 'o'.

Query:

```
mysql> SELECT*FROM Employee WHERE POSITION('o' IN SUBSTRING(L_Name, 3, 1))=1;
+--------+--------+--------+----------+--------+------------+----------+------------+-------------+
| Emp_ID | F_Name | L_Name | Job_Type | Salary | Commission | Dept     | Manager_ID | DOJ         |
+--------+--------+--------+----------+--------+------------+----------+------------+-------------+
|      8 | Saul   | Good   | Engineer |  60000 |       NULL | R&D      |       NULL | 6 Sep 2014  |
|     10 | Sunny  | Deol   | Salesman |  20000 |      10000 | Marketing |          2 | 31 Mar 2001 |
|     11 | Bobby  | Deol   | Engineer |  35000 |       NULL | R&D      |          8 | 17 Oct 2017 |
+--------+--------+--------+----------+--------+------------+----------+------------+-------------+
3 rows in set (0.00 sec)
```

Question 40: Select the Employees who aren't working under Manager.

Query:

```
mysql> SELECT*FROM Employee WHERE Job_Type!='Manager';
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|      9 | Mou     | Bhat   | Clerk      |  30000 |       NULL | Sales      |          4 | 8 Mar 2018  |
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
9 rows in set (0.00 sec)
```

Question 41: Select the Employees who work as Engineers with Salary greater than 50000.

Query:

```
mysql> SELECT*FROM Employee WHERE Job_Type='Engineer' AND Salary>50000;
+--------+--------+--------+----------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name | L_Name | Job_Type | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+--------+--------+----------+--------+------------+------------+------------+-------------+
|      3 | Chitra | Kapoor | Engineer |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      5 | Emma   | Dutt   | Engineer |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      8 | Saul   | Good   | Engineer |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
+--------+--------+--------+----------+--------+------------+------------+------------+-------------+
3 rows in set (0.00 sec)
```

Question 42: Select the Employees who work in the Production Department and earn more than 60000.

Query:

```
mysql> SELECT*FROM Employee WHERE Dept='Production' AND Salary>60000;
+--------+--------+--------+----------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name | L_Name | Job_Type | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+--------+--------+----------+--------+------------+------------+------------+-------------+
|      1 | Arun   | Khan   | Manager  |  90000 |       NULL | Production |       NULL | 4 Jan 1998 |
+--------+--------+--------+----------+--------+------------+------------+------------+-------------+
1 row in set (0.00 sec)
```

Question 43: Select those Employees who aren't Managers or Engineers or Clerks.

Query:

```
mysql> SELECT*FROM Employee WHERE Job_Type!='Manager' AND Job_Type!='Engineer' AND Job_Type!='Clerk';
+--------+-------+--------+------------+--------+------------+-----------+------------+-------------+
| Emp_ID | F_Name | L_Name | Job_Type   | Salary | Commission | Dept      | Manager_ID | DOJ         |
+--------+-------+--------+------------+--------+------------+-----------+------------+-------------+
|      6 | Floki | Dutt   | Accountant |  70000 |       NULL | Accounts  |       NULL | 16 Jul 2000 |
|     10 | Sunny | Deol   | Salesman   |  20000 |      10000 | Marketing |          2 | 31 Mar 2001 |
|     12 | Amir  | Khan   | Salesman   |  15000 |       5000 | Marketing |          2 | 11 Jan 2013 |
+--------+-------+--------+------------+--------+------------+-----------+------------+-------------+
3 rows in set (0.00 sec)
```

Question 44: Select the Employees who earns more than 49000 or less than 29000.

Query:

```
mysql> SELECT*FROM Employee WHERE Salary>49000 OR Salary<29000;
+--------+--------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+--------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun   | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      1 | Barun  | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      3 | Chitra | Kapoor | Engineer   |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      4 | Dheeraj| Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      5 | Emma   | Dutt   | Engineer   |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      6 | Floki  | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      8 | Saul   | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|     10 | Sunny  | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     12 | Amir   | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
+--------+--------+--------+------------+--------+------------+------------+------------+-------------+
9 rows in set (0.00 sec)
```

Question 45: Select the Employees who don't have an 'o' in second last letter of their name.

Query:

```
mysql> SELECT*FROM Employee WHERE F_Name NOT LIKE '%o_';
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      1 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
11 rows in set (0.00 sec)
```

Question 46: Select the Employees who get commision.

Query:

```
mysql> SELECT*FROM Employee WHERE Commission IS NOT NULL;
+--------+--------+--------+----------+--------+------------+-----------+------------+-------------+
| Emp_ID | F_Name | L_Name | Job_Type | Salary | Commission | Dept      | Manager_ID | DOJ         |
+--------+--------+--------+----------+--------+------------+-----------+------------+-------------+
|     10 | Sunny  | Deol   | Salesman |  20000 |      10000 | Marketing |          2 | 31 Mar 2001 |
|     12 | Amir   | Khan   | Salesman |  15000 |       5000 | Marketing |          2 | 11 Jan 2013 |
+--------+--------+--------+----------+--------+------------+-----------+------------+-------------+
2 rows in set (0.00 sec)
```

Question 47: Write a Query to display the current date.

Query:

```
mysql> SELECT NOW();
+---------------------+
| NOW()               |
+---------------------+
| 2022-01-26 12:27:23 |
+---------------------+
1 row in set (0.00 sec)
```

Question 48: Show the total experience in weeks for all the employees.

Query:

```
mysql> SELECT ROUND(DATEDIFF(CURDATE(), DOJ)/7,0) 'Experience' FROM Employee;
+------------+
| Experience |
+------------+
|       1256 |
|       1250 |
|       1255 |
|       1048 |
|       1036 |
|       1124 |
|        291 |
|        386 |
|        203 |
|       1035 |
|        223 |
|        472 |
+------------+
12 rows in set (0.00 sec)
```

Question 49: Find the Employees working under Employee_ID 2.

Query:

```
mysql> SELECT*FROM Employee WHERE Emp_ID=2;
+--------+--------+--------+----------+--------+------------+-----------+------------+------------+
| Emp_ID | F_Name | L_Name | Job_Type | Salary | Commission | Dept      | Manager_ID | DOJ        |
+--------+--------+--------+----------+--------+------------+-----------+------------+------------+
|      2 | Barun  | Kumar  | Manager  |  80000 |       NULL | Marketing |       NULL | 9 Feb 1998 |
+--------+--------+--------+----------+--------+------------+-----------+------------+------------+
1 row in set (0.00 sec)
```

Question 50: Delete the Employees from Sales Department if they are not working as Managers.

Query:

```
mysql> DELETE FROM Employee WHERE Dept='Sales' AND Job_Type!='Manager';
Query OK, 1 row affected (0.01 sec)

mysql> SELECT*FROM Employee;
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      2 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
11 rows in set (0.00 sec)
```

Question 51: Inser the following two rows in the Employee table without inserting any value in the

department field.

Query:

```
mysql> INSERT INTO Employee VALUES(13, 'Anand', 'Patil', 'Engineer', 28000, 2000, NULL, 1, '31 Jan 2017');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Employee VALUES(14, 'Anandi', 'Patel', 'Clerk', 12000, 500, NULL, 1, '1 Apr 2017');
Query OK, 1 row affected (0.01 sec)

mysql> SELECT*FROM Employee;
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      2 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
|     13 | Anand   | Patil  | Engineer   |  28000 |       2000 | NULL       |          1 | 31 Jan 2017 |
|     14 | Anandi  | Patel  | Clerk      |  12000 |        500 | NULL       |          1 | 1 Apr 2017  |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
13 rows in set (0.00 sec)
```

Question 52: Insert the follwing two rows in the Department table.

Query:

```
mysql> INSERT INTO Department VALUES('Admin', 'Mumbai', 5);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Department VALUES('Transport', 'Mumbai', 3);
Query OK, 1 row affected (0.00 sec)

mysql> SELECT*FROM Department;
+------------+--------+--------+
| D_Name     | D_Loc  | Hod_ID |
+------------+--------+--------+
| Sales      | Kol    |      4 |
| Accounts   | Delhi  |      6 |
| Production | Kol    |      1 |
| Marketing  | Kol    |      2 |
| R&D        | Delhi  |      8 |
| Admin      | Mumbai |      5 |
| Transport  | Mumbai |      3 |
+------------+--------+--------+
7 rows in set (0.00 sec)
```

Question 53: Update the Employee table. Assign Anand to the Admin department.

Query:

```
mysql> UPDATE Employee SET Dept='Admin' WHERE F_Name='Anand';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT*FROM Employee;
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      2 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          1 | 8 Jan 1998  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          1 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
|     13 | Anand   | Patil  | Engineer   |  28000 |       2000 | Admin      |          1 | 31 Jan 2017 |
|     14 | Anandi  | Patel  | Clerk      |  12000 |        500 | NULL       |          1 | 1 Apr 2017  |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
13 rows in set (0.00 sec)
```

Question 54: Update the Manager_ID from 2 to 1 in the Employee table.

Query:

```
mysql> UPDATE Employee SET Manager_ID=2 WHERE Manager_ID=1;
Query OK, 4 rows affected (0.01 sec)
Rows matched: 4  Changed: 4  Warnings: 0

mysql> SELECT*FROM Employee;
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      2 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          2 | 8 Jan 1998  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          2 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
|     13 | Anand   | Patil  | Engineer   |  28000 |       2000 | Admin      |          2 | 31 Jan 2017 |
|     14 | Anandi  | Patel  | Clerk      |  12000 |        500 | NULL       |          2 | 1 Apr 2017  |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
13 rows in set (0.00 sec)
```

Question 55: Display the Employee details in Descending order on basis of their salary.

Query:

```
mysql> SELECT*FROM Employee ORDER BY Salary DESC;
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|      2 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          2 | 8 Jan 1998  |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          2 | 20 Mar 2002 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|     13 | Anand   | Patil  | Engineer   |  28000 |       2000 | Admin      |          2 | 31 Jan 2017 |
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
|     14 | Anandi  | Patel  | Clerk      |  12000 |        500 | NULL       |          2 | 1 Apr 2017  |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
13 rows in set (0.00 sec)
```

Question 56: Display the Employee details in ascending order on basis of their L_Name.

Query:

```
mysql> SELECT*FROM Employee ORDER BY L_Name ASC;
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ         |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
|     10 | Sunny   | Deol   | Salesman   |  20000 |      10000 | Marketing  |          2 | 31 Mar 2001 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 17 Oct 2017 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          2 | 20 Mar 2002 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 16 Jul 2000 |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 6 Sep 2014  |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          2 | 8 Jan 1998  |
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 4 Jan 1998  |
|     12 | Amir    | Khan   | Salesman   |  15000 |       5000 | Marketing  |          2 | 11 Jan 2013 |
|      2 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 9 Feb 1998  |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 1 Jul 2000  |
|      4 | Dheeraj | Mishra | Manager    |  75000 |       NULL | Sales      |          2 | 27 Dec 2001 |
|     14 | Anandi  | Patel  | Clerk      |  12000 |        500 | NULL       |          2 | 1 Apr 2017  |
|     13 | Anand   | Patil  | Engineer   |  28000 |       2000 | Admin      |          2 | 31 Jan 2017 |
+--------+---------+--------+------------+--------+------------+------------+------------+-------------+
13 rows in set (0.00 sec)
```

Question 57: Delete the Employees who are working as Salesman and Having less experience than 15 years.

Query:

```
mysql> DELETE FROM Employee WHERE ROUND(DATEDIFF(CURDATE(), DOJ)/365,0)<15 AND Job_Type='Salesman';
Query OK, 1 row affected (0.00 sec)

mysql> SELECT*FROM Employee;
+--------+---------+--------+------------+--------+------------+------------+------------+------------+
| Emp_ID | F_Name  | L_Name | Job_Type   | Salary | Commission | Dept       | Manager_ID | DOJ        |
+--------+---------+--------+------------+--------+------------+------------+------------+------------+
|      1 | Arun    | Khan   | Manager    |  90000 |       NULL | Production |       NULL | 1998-01-04 |
|      2 | Barun   | Kumar  | Manager    |  80000 |       NULL | Marketing  |       NULL | 1998-02-09 |
|      3 | Chitra  | Kapoor | Engineer   |  60000 |       NULL | Production |          2 | 1998-01-08 |
|      5 | Emma    | Dutt   | Engineer   |  55000 |       NULL | Production |          2 | 2002-03-20 |
|      6 | Floki   | Dutt   | Accountant |  70000 |       NULL | Accounts   |       NULL | 2000-07-16 |
|      7 | Dheeraj | Kumar  | Clerk      |  40000 |       NULL | Accounts   |          6 | 2016-07-01 |
|      8 | Saul    | Good   | Engineer   |  60000 |       NULL | R&D        |       NULL | 2014-09-06 |
|      9 | Mou     | Bhat   | Clerk      |  30000 |       NULL | Sales      |          4 | 2018-03-08 |
|     10 | Sunny   | Deol   | Salesman   |  20000 |       1000 | Marketing  |          2 | 2002-03-31 |
|     11 | Bobby   | Deol   | Engineer   |  35000 |       NULL | R&D        |          8 | 2017-10-17 |
|     13 | Anand   | Patil  | Engineer   |  28000 |       2000 | Admin      |          2 | 2017-01-31 |
|     14 | Anandi  | Patel  | Clerk      |  12000 |        500 | NULL       |          2 | 2017-04-01 |
+--------+---------+--------+------------+--------+------------+------------+------------+------------+
12 rows in set (0.00 sec)
```

Question 58: Commit the database.

Query:

```
mysql> COMMIT;
Query OK, 0 rows affected (0.00 sec)
```