Assignment No. 3

Creating EMPLOYEES table

```
mysql> USE office;
Database changed
mysql> CREATE TABLE EMPLOYEES (
            Employee_Id INT,
    ->
    ->
            First_Name VARCHAR(50),
            Last_Name VARCHAR(50),
    ->
            Email VARCHAR(100),
    ->
    ->
            Phone_Number VARCHAR(20),
    ->
            Hire_Date DATE,
            Job_Id VARCHAR(20),
Salary DECIMAL(10, 2),
Commission_Pct DECIMAL(4, 2),
    ->
    ->
    ->
            Manager_Id INT,
    ->
    ->
            Department_Id INT
    -> );
Query OK, 0 rows affected (0.01 sec)
```

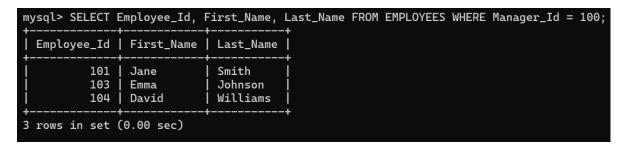
Inserting Values

1. Find out the employee id, names, salaries of all the employees.

```
First_Name, Last_Name, Salary FROM EMPLOYEES;
mysql> SELECT Employee_Id,
  Employee_Id
                First_Name
                              Last_Name
                                           Salary
                                           6000.00
          100
                 John
                               Doe
          101
                 Jane
                                           5000.00
                               Smith
                               Austin
          102
                 Michael
                                           4000.00
          103
                                           7000.00
                 Emma
                               Johnson
          104
                 David
                              Williams
                                           5500.00
          105
                 Sarah
                                           4500.00
                              Brown
                 Ryan
          106
                               Taylor
                                           6200.00
                               Miller
          107
                 Olivia
                                           5200.00
          108
                 James
                              Wilson
                                           4800.00
          109
                 Sophia
                              Davis
                                           7500.00
10 rows in set (0.00 sec)
```

2. List out the employees who works under manager 100.

Sol.:



3. Find the names of the employees who have a salary greater than or equal to 4800.

Sol.:

```
mysql> SELECT First_Name,
                           Last_Name FROM EMPLOYEES WHERE Salary >= 4800;
 First_Name
               Last_Name
 John
               Doe
 Jane
               Smith
 Emma
               Johnson
               Williams
 David
 Ryan
               Taylor
 Olivia
               Miller
 James
               Wilson
 Sophia
               Davis
8 rows in set (0.00 sec)
```

4. List out the employees whose last name is 'AUSTIN'.

Sol.:

mysql> SELECT * FROM EMPLOYEES WHERE Last_Name = 'Austin';										
Employee_Id	First_Name	Last_Name	Email	Phone_Number	Hire_Date	Job_Id	Salary	Commission_Pct	Manager_Id	Department_Id
102	Michael	Austin	michael.austin@example.com	4567890123	2012-10-10	CLERK	4000.00	NULL	101	20
1 row in set (6	l row in set (0.00 sec)									

5. Find the names of the employees who works in departments 60,70 and 80.

6. Display the unique Manager_Id.

Sol.:

7. Delete the record of the Employee id 102.

Sol.:

```
mysql> DELETE FROM EMPLOYEES WHERE Employee_Id = 102;
Query OK, 1 row affected (0.00 sec)
mysql> SELECT Employee_Id, First_Name, Last_Name, Salary FROM EMPLOYEES;
 Employee_Id | First_Name |
                              Last_Name | Salary
          100
                John
                              Doe
                                           6000.00
                              Smith
                                           5000.00
          101
                Jane
          103
                Emma
                              Johnson
                                           7000.00
                                           5500.00
          104
                              Williams
                David
          105
                Sarah
                              Brown
                                           4500.00
          106
                Ryan
                              Taylor
                                           6200.00
                              Miller
          107
                Olivia
                                           5200.00
          108
                                           4800.00
                              Wilson
                James
          109
                Sophia
                              Davis
                                           7500.00
 rows in set (0.00 sec)
```

8. Change the salary of the employee "John" to 50000.

```
mysql> UPDATE EMPLOYEES SET Salary = 50000 WHERE First_Name = 'John';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
mysql> SELECT Employee_Id, First_Name, Last_Name, Salary FROM EMPLOYEES;
 Employee_Id |
                First_Name |
                                          Salary
                             Last_Name
          100
                John
                                          50000.00
                              Doe
          101
                Jane
                              Smith
                                           5000.00
          103
                Emma
                              Johnson
                                           7000.00
          104
                David
                              Williams
                                           5500.00
          105
                Sarah
                              Brown
                                           4500.00
                              Taylor
          106
                Ryan
                                           6200.00
                              Miller
                                           5200.00
          107
                Olivia
                                           4800.00
          108
                James
                              Wilson
                Sophia
                              Davis
                                           7500.00
          109
 rows in set (0.00 sec)
```

9. List the employees who has joined after 1 st Jan 2010.

Sol.:

Employee_Id	First_Name	Last_Name	Email	Phone_Number	Hire_Date	Job_Id	Salary	Commission_Pct	Manager_Id	Department_Id
101	Jane	 Smith	jane.smith@example.com	9876543210	 2015-05-15	SALESMAN	5000.00	0.05	100	30
103	Emma	Johnson	emma.johnson@example.com	7418529630	2018-08-20	ANALYST	7000.00	0.15	100	60
104	David	Williams	david.williams@example.com	3692581470	2013-12-25	SALESMAN	5500.00	0.07	100	80
105	Sarah	Brown	sarah.brown@example.com	2581473690	2017-04-30	CLERK	4500.00	NULL	102	70
106	Ryan	Taylor	ryan.taylor@example.com	1473692580	2019-10-05	MANAGER	6200.00	0.12	NULL	40
107	Olivia	Miller	olivia.miller@example.com	9638527410	2016-06-10	SALESMAN	5200.00	0.06	106	80
108	James	Wilson	james.wilson@example.com	6325874109	2020-03-15	CLERK	4800.00	NULL	106	30
109	Sophia	Davis	sophia.davis@example.com	1592634870	2014-09-01	ANALYST	7500.00	0.20	106	60

10. Display the names of the employees whose first name starts with "A".