CSE370 LAB ASSIGNMENT - 02
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Theory Section: 02
Lab Section: 02

Table Creation & Data Insertion.

```
CREATE TABLE Developers (
member_id int,
name varchar(35),
email varchar(40),
followers int,
joining_date date,
multiplier int
);
```

ScreenShot:

```
MariaDB [socialapp]> describe developers;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| member_id    | int(11)     | YES  |     | NULL    |       |
| name         | varchar(35) | YES  |     | NULL    |       |
| email        | varchar(40) | YES  |     | NULL    |       |
| followers    | int(11)     | YES  |     | NULL    |       |
| joining_date | date        | YES  |     | NULL    |       |
| multiplier   | int(11)     | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
6 rows in set (0.097 sec)
```

```
MariaDB [socialapp]> select * from developers;
+-----------+------------------+----------------------------+-----------+--------------+------------+
| member_id | name             | email                      | followers | joining_date | multiplier |
+-----------+------------------+----------------------------+-----------+--------------+------------+
|         1 | Taylor Otwell    | otwell@laravel.com         |    739360 | 2020-06-10   |         10 |
|         2 | Ryan Dahl        | ryan@nodejs.org            |    633632 | 2020-04-22   |         10 |
|         3 | Brendan Eich     | eich@javascript.com        |    939570 | 2020-05-07   |          8 |
|         5 | Evan You         | you@vuejs.org              |    982630 | 2020-06-11   |          7 |
|         6 | Rasmus Lerdorf   | lerdorf@php.net            |    937927 | 2020-06-03   |          8 |
|         7 | Guido van Rossum | guido@python.org           |    968827 | 2020-07-18   |         19 |
|         8 | Adrian Holovaty  | adrian@djangoproject.com   |    570724 | 2020-05-07   |          5 |
|         9 | Simon Willison   | simon@djangoproject.com    |    864615 | 2020-04-30   |          4 |
|        10 | James Gosling    | james@java.com             |    719491 | 2020-05-18   |          5 |
|        11 | Rod Johnson      | rod@spring.io              |    601744 | 2020-05-18   |          7 |
|        12 | Satoshi Nakamoto | nakamoto@blockchain.com    |    630488 | 2020-05-10   |         10 |
+-----------+------------------+----------------------------+-----------+--------------+------------+
11 rows in set (0.002 sec)
```

Task 1:

```
SELECT DISTINCT joining_date FROM developers ORDER BY joining_date ASC;
```

ScreenShot:

```
MariaDB [socialapp]> SELECT DISTINCT joining_date FROM developers ORDER BY joining_date ASC;
+--------------+
| joining_date |
+--------------+
| 2020-04-22   |
| 2020-04-30   |
| 2020-05-07   |
| 2020-05-10   |
| 2020-05-18   |
| 2020-06-03   |
| 2020-06-10   |
| 2020-06-11   |
| 2020-07-18   |
+--------------+
9 rows in set (0.103 sec)
```

Task 2:

```
SELECT name, email FROM Developers ORDER BY followers DESC LIMIT 5;
```

ScreenShot:

```
MariaDB [socialapp]> SELECT name, email FROM Developers ORDER BY followers DESC LIMIT 5;
+------------------+-------------------------+
| name             | email                   |
+------------------+-------------------------+
| Evan You         | you@vuejs.org           |
| Guido van Rossum | guido@python.org        |
| Brendan Eich     | eich@javascript.com     |
| Rasmus Lerdorf   | lerdorf@php.net         |
| Simon Willison   | simon@djangoproject.com |
+------------------+-------------------------+
5 rows in set (0.001 sec)
```

Task 3:

```
SELECT multiplier, COUNT(*) FROM Developers GROUP BY multiplier;
```

ScreenShot:

```
MariaDB [socialapp]> SELECT multiplier, COUNT(*) FROM Developers GROUP BY multiplier;
+------------+----------+
| multiplier | COUNT(*) |
+------------+----------+
|          4 |        1 |
|          5 |        2 |
|          7 |        2 |
|          8 |        2 |
|         10 |        3 |
|         19 |        1 |
+------------+----------+
6 rows in set (0.004 sec)
```

Task 4:

```
SELECT name FROM Developers WHERE followers < 700000 AND multiplier =
(SELECT MAX(multiplier) FROM Developers WHERE followers < 700000);
```

ScreenShot:

```
MariaDB [socialapp]> SELECT name FROM Developers WHERE followers < 700000 AND multiplier = (SELECT MAX(multiplier) FROM Developers WHERE followers < 700000)
;
+------------------+
| name             |
+------------------+
| Ryan Dahl        |
| Satoshi Nakamoto |
+------------------+
2 rows in set (0.013 sec)
```

Task 5:

```
SELECT AVG(followers) AS average_followers FROM Developers WHERE
joining_date < '2020-06-11';
```

ScreenShot:

```
MariaDB [socialapp]> SELECT AVG(followers) AS average_followers FROM Developers WHERE joining_date < '2020-06-11';
+-------------------+
| average_followers |
+-------------------+
|      737505.6667  |
+-------------------+
1 row in set (0.005 sec)
```

Task 6:

```
SELECT member_id, name, email, followers FROM Developers WHERE email LIKE
'%.com' OR email LIKE '%.net';
```

ScreenShot:

```
MariaDB [socialapp]> SELECT member_id, name, email, followers FROM Developers WHERE email LIKE '%.com' OR email LIKE '%.net';
+-----------+------------------+------------------------+-----------+
| member_id | name             | email                  | followers |
+-----------+------------------+------------------------+-----------+
|         1 | Taylor Otwell    | otwell@laravel.com     |    739360 |
|         3 | Brendan Eich     | eich@javascript.com    |    939570 |
|         6 | Rasmus Lerdorf   | lerdorf@php.net        |    937927 |
|         8 | Adrian Holovaty  | adrian@djangoproject.com |  570724 |
|         9 | Simon Willison   | simon@djangoproject.com |   864615 |
|        10 | James Gosling    | james@java.com         |    719491 |
|        12 | Satoshi Nakamoto | nakamoto@blockchain.com |   630488 |
+-----------+------------------+------------------------+-----------+
7 rows in set (0.005 sec)
```