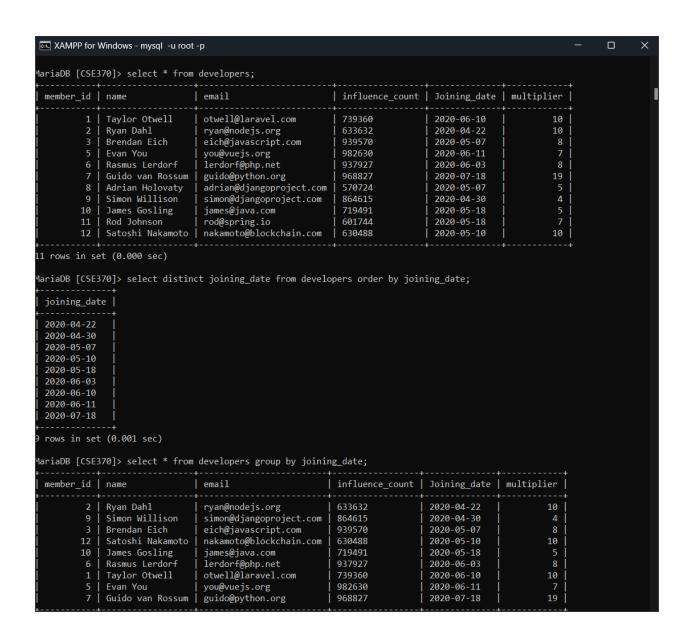## CSE 370 LAB ASSIGNMENT 2

Name : Sadaf M. Anis, ID : 20101537, Section :05

1. Show all the unique dates of the users joining in ascending order. [1]

Ans:

select distinct joining_date from developers order by joining_date;

```
XAMPP for Windows - mysql -u root -p                                         —  □  ✕

MariaDB [CSE370]> select * from developers;
+-----------+------------------+--------------------------+----------------+--------------+------------+
| member_id | name             | email                    | influence_count | 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 (0.000 sec)

MariaDB [CSE370]> select distinct joining_date from developers order by joining_date;
+--------------+
| 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 (0.001 sec)

MariaDB [CSE370]> select * from developers group by joining_date;
+-----------+------------------+--------------------------+----------------+--------------+------------+
| member_id | name             | email                    | influence_count | Joining_date | multiplier |
+-----------+------------------+--------------------------+----------------+--------------+------------+
|         2 | Ryan Dahl        | ryan@nodejs.org          |         633632 | 2020-04-22   |         10 |
|         9 | Simon Willison   | simon@djangoproject.com  |         864615 | 2020-04-30   |          4 |
|         3 | Brendan Eich     | eich@javascript.com      |         939570 | 2020-05-07   |          8 |
|        12 | Satoshi Nakamoto | nakamoto@blockchain.com  |         630488 | 2020-05-10   |         10 |
|        10 | James Gosling    | james@java.com           |         719491 | 2020-05-18   |          5 |
|         6 | Rasmus Lerdorf   | lerdorf@php.net          |         937927 | 2020-06-03   |          8 |
|         1 | Taylor Otwell    | otwell@laravel.com       |         739360 | 2020-06-10   |         10 |
|         5 | Evan You         | you@vuejs.org            |         982630 | 2020-06-11   |          7 |
|         7 | Guido van Rossum | guido@python.org         |         968827 | 2020-07-18   |         19 |
+-----------+------------------+--------------------------+----------------+--------------+------------+
```

2. Show the name and email of the developers who have the 5 highest numbers of followers. [2]

ANS:

select name,email from developers order by followers desc limit 5;

```
MariaDB [CSE370]> 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)

MariaDB [CSE370]>
```

3. Count the number of developers in each multiplier [2]

ANS:

select multiplier,count(*) as number_of_developers_each_multiplier from developers group by multiplier;

```
MariaDB [CSE370]> select multiplier,count(*) as number_of_developers_each_multiplier from developers group by multiplier
;
+------------+--------------------------------------+
| multiplier | number_of_developers_each_multiplier |
+------------+--------------------------------------+
|          4 |                                    1 |
|          5 |                                    2 |
|          7 |                                    2 |
|          8 |                                    2 |
|         10 |                                    3 |
|         19 |                                    1 |
+------------+--------------------------------------+
6 rows in set (0.003 sec)
```

4.Show the name of the user with the maximum multiplier among the developers whose number of followers is less than 700000. [2]

ANS:

 select name from Developers where(member_id,multiplier) in (select

   -> member_id,multiplier from Developers where followers <700000 and multiplier=(select

   -> max(multiplier) from Developers where followers<700000));

```
MariaDB [CSE370]> select name from Developers where(member_id,multiplier) in (select
    -> member_id,multiplier from Developers where followers <700000 and multiplier=(select
    -> max(multiplier) from Developers where followers<700000));
+------------------+
| name             |
+------------------+
| Ryan Dahl        |
| Satoshi Nakamoto |
+------------------+
2 rows in set (0.005 sec)
```

5.Find the average of the number of followers but only consider the members who joined before 11 June 2020. [2]

ANS:

select avg(followers) from developers where joining_date <"2020-06-11";

```
MariaDB [CSE370]> select avg(followers) from developers where joining_date <"2020-06-11";
+------------------+
| avg(followers)   |
+------------------+
| 737505.6666666666 |
+------------------+
1 row in set (0.001 sec)

MariaDB [CSE370]>
```

6.Retrieve the id, name, email, and followers of the developers who have either ".com" or ".net" in their email address. [1]

ANS:

select member_id,name,email,followers from Developers where email like '%.com' or email like '%.net';

```
MariaDB [CSE370]> 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 (0.002 sec)

MariaDB [CSE370]>
```