CSE370
Lab Assignment: 02

Submitted by:
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Section: 5 (Theory, Lab)
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Task 1

Show all the unique dates of the users joining in ascending order:

select distinct Joining_date from developers order by Joining_date asc;

```
MariaDB [my_370_database]> 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 (0.000 sec)
```

Task 2

Showing the name and email of the developers who have the 5 highest numbers of followers:

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

```
MariaDB [my_370_database]> 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 (0.002 sec)
```

Task 3

Showing the number of developers in each multiplier:

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

```
MariaDB [my_370_database]> select multiplier, count(*) as number_of_developers from developers group by multiplier;
+------------+----------------------+
| multiplier | number_of_developers |
+------------+----------------------+
|          4 |                    1 |
|          5 |                    2 |
|          7 |                    2 |
|          8 |                    2 |
|         10 |                    3 |
|         19 |                    1 |
+------------+----------------------+
6 rows in set (0.007 sec)
```

Task 4

Showing the name of all users with the maximum multiplier among the developers whose number of followers is less than 700000:

select name from developers where multiplier in (select max(multiplier) from developers where followers < 700000) and followers < 700000;

```
MariaDB [my_370_database]> select name from developers where multiplier in (select max(multiplier) from developers where followers < 700000) and followers < 700000;
+-----------------+
| name            |
+-----------------+
| Ryan Dahl       |
| Satoshi Nakamoto |
+-----------------+
2 rows in set (0.000 sec)
```

Task 5

<u>Showing the average of the number of followers but only considering the members who joined before 11 June 2020:</u>

select avg(followers) as average_followers from developers where joining_date < '2020-06-11';

```
MariaDB [my_370_database]> select avg(followers) as average_followers from developers where joining_date < '2020-06-11';
+-------------------+
| average_followers |
+-------------------+
|       737505.6667 |
+-------------------+
1 row in set (0.000 sec)
```

Task 6

<u>Showing the member id, name, email and followers of the developers who have either ".com" or ".net" in their email address:</u>

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

```
MariaDB [my_370_database]> 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 (0.000 sec)
```