

**CSE370**

**Lab Homework:02**

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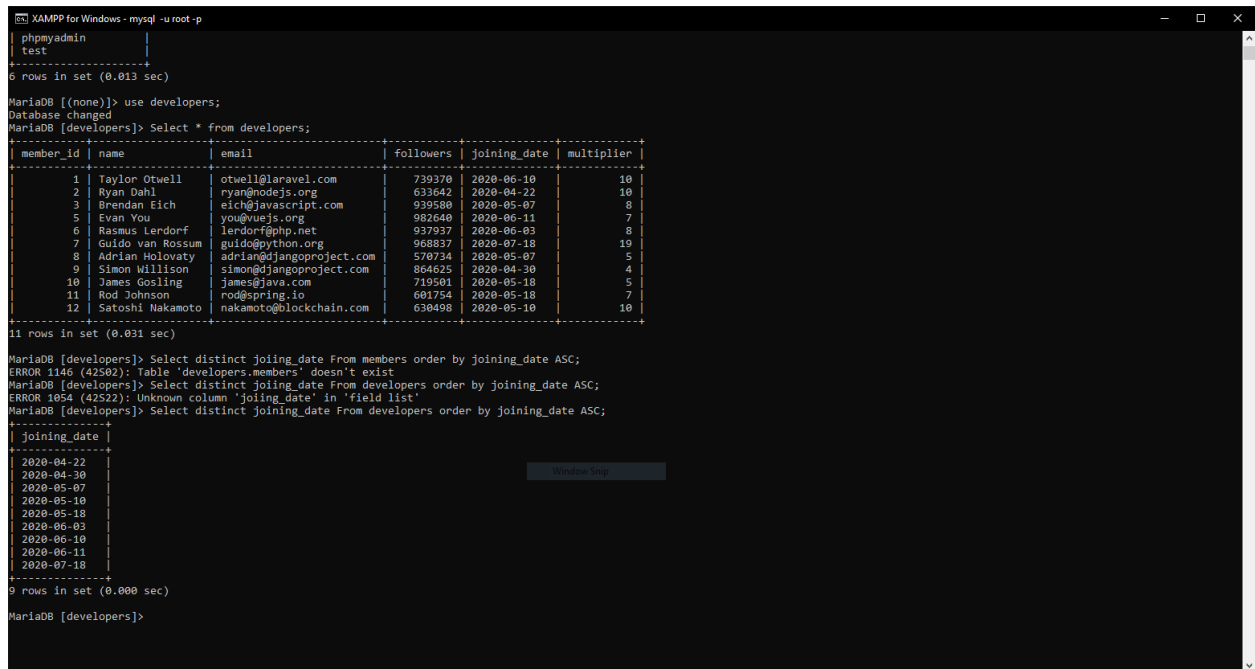
**Section: 08**

## #Task\_01

### Command:

Select distinct joining\_date From developers order by joining\_date ASC;

### Screenshot:



```
XAMPP for Windows - mysql -u root -p
phpmyadmin
test
6 rows in set (0.013 sec)

MariaDB [(none)]> use developers;
Database changed
MariaDB [developers]> Select * from developers;
+-----+-----+-----+-----+-----+-----+
| member_id | name      | email          | followers | joining_date | multiplier |
+-----+-----+-----+-----+-----+-----+
| 1 | Taylor Otwell | otwell@laravel.com | 739370 | 2020-06-10 | 10 |
| 2 | Ryan Dahl | ryan@nodejs.org | 633642 | 2020-04-22 | 10 |
| 3 | Brendan Eich | eich@javascript.com | 939500 | 2020-05-07 | 8 |
| 5 | Evan You | you@vuejs.org | 982640 | 2020-06-11 | 7 |
| 6 | Rasmus Lerdorf | lerdorf@php.net | 937937 | 2020-06-03 | 8 |
| 7 | Guido van Rossum | guido@python.org | 968837 | 2020-07-18 | 19 |
| 8 | Adrian Holovaty | adrian@django-project.com | 570734 | 2020-05-07 | 5 |
| 9 | Simon Willison | simon@django-project.com | 864025 | 2020-04-30 | 4 |
| 10 | James Gosling | james@java.com | 719501 | 2020-05-18 | 5 |
| 11 | Rod Johnson | rod@spring.io | 601754 | 2020-05-18 | 7 |
| 12 | Satoshi Nakamoto | nakamoto@blockchain.com | 630498 | 2020-05-10 | 10 |
+-----+-----+-----+-----+-----+-----+
11 rows in set (0.031 sec)

MariaDB [developers]> Select distinct joining_date From members order by joining_date ASC;
ERROR 1146 (42S02): Table 'developers.members' doesn't exist
MariaDB [developers]> Select distinct joining_date From developers order by joining_date ASC;
ERROR 1054 (42S22): Unknown column 'joining_date' in 'field list'
MariaDB [developers]> 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)

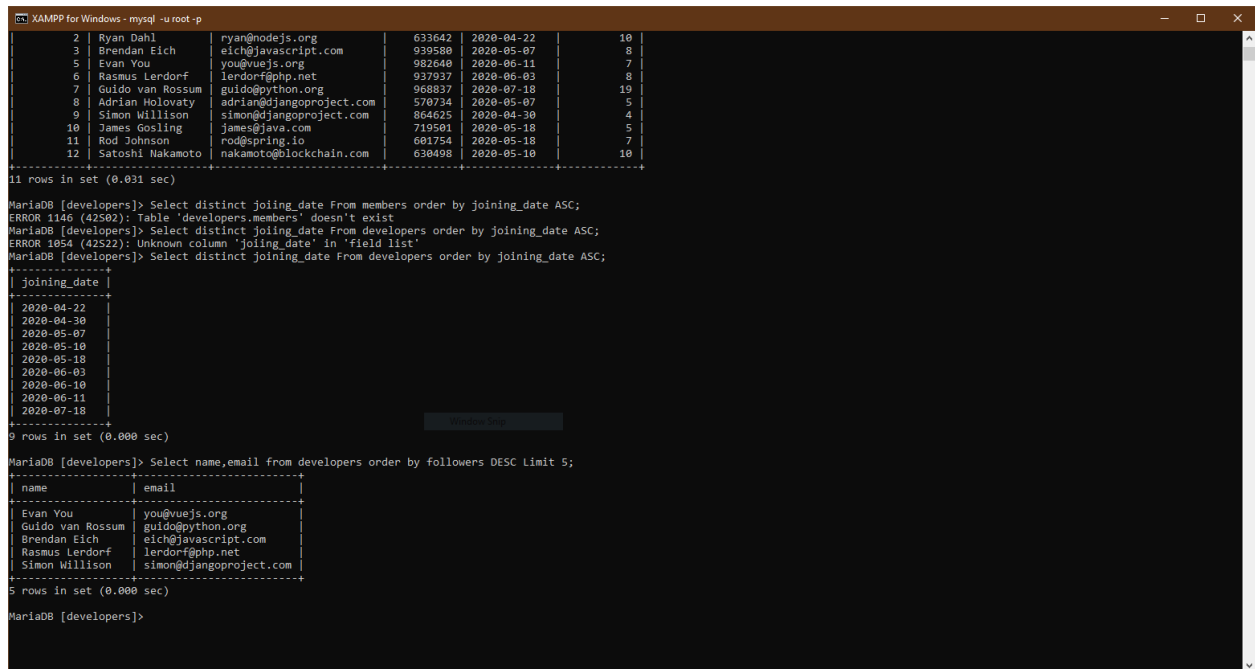
MariaDB [developers]>
```

## #Task\_02

### Command:

Select name,email from developers order by followers DESC Limit 5;

### Screenshot:



```
XAMPP for Windows - mysql -u root -p
+-----+
| 2 | Ryan Dahl | ryan@nodejs.org | 633642 | 2020-04-22 | 10 |
| 3 | Brendan Eich | eich@javascript.com | 939580 | 2020-05-07 | 8 |
| 5 | Evan You | you@vuejs.org | 982648 | 2020-06-11 | 7 |
| 6 | Rasmus Lerdorf | lerdorf@php.net | 937937 | 2020-06-03 | 8 |
| 7 | Guido van Rossum | guido@python.org | 968837 | 2020-07-18 | 19 |
| 8 | Adrian Holovaty | adrian@django-project.com | 570734 | 2020-05-07 | 5 |
| 9 | Simon Willison | simon@django-project.com | 864625 | 2020-04-30 | 4 |
| 10 | James Gelling | james@java.com | 719501 | 2020-05-18 | 5 |
| 11 | Rod Johnson | rod@spring.io | 601754 | 2020-05-18 | 7 |
| 12 | Satoshi Nakamoto | nakamoto@blockchain.com | 630498 | 2020-05-10 | 10 |
+-----+
11 rows in set (0.031 sec)

MariaDB [developers]> Select distinct joing_date From members order by joining_date ASC;
ERROR 1146 (42S02): Table 'developers.members' doesn't exist
MariaDB [developers]> Select distinct joining_date From developers order by joining_date ASC;
ERROR 1054 (42S22): Unknown column 'joining_date' in 'field list'
MariaDB [developers]> 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 |
| 2020-06-11 |
| 2020-07-18 |
+-----+
9 rows in set (0.000 sec)

MariaDB [developers]> 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@django-project.com |
+-----+
5 rows in set (0.000 sec)

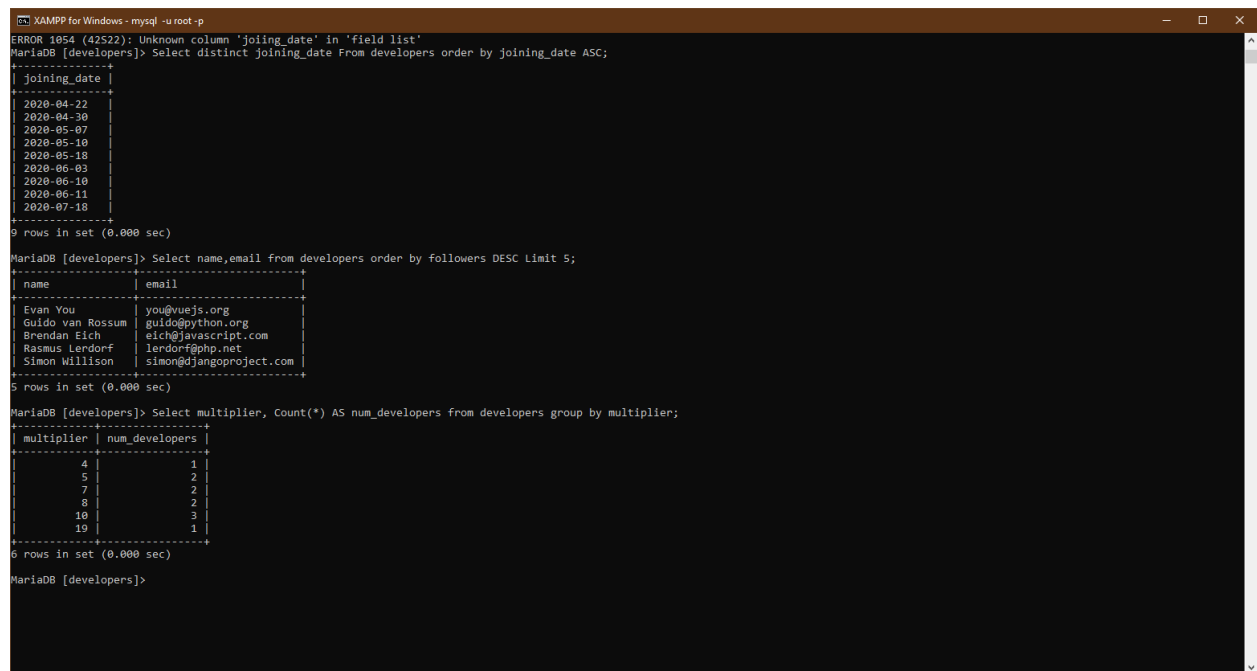
MariaDB [developers]>
```

## #Task\_03

### Command:

Select multiplier, Count(\*) AS num\_developers from developers group by multiplier;

### Screenshot:



```
XAMPP for Windows - mysql -u root -p
ERROR 1054 (42S22): Unknown column 'joining_date' in 'field list'
MariaDB [developers]> 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)

MariaDB [developers]> Select name,email from developers order by followers DESC Limit 5;
+-----+-----+
| name          | email                |
+-----+-----+
| Evan You      | you@vuejs.org        |
| Guido van Rossum | guidogpython.org    |
| Brendan Eich  | eich@javascript.com  |
| Rasmus Lerdorf | lerdorf@php.net      |
| Simon Willison | simon@django-project.com |
+-----+-----+
5 rows in set (0.000 sec)

MariaDB [developers]> Select multiplier, Count(*) AS num_developers from developers group by multiplier;
+-----+-----+
| multiplier | num_developers |
+-----+-----+
| 4         | 1              |
| 5         | 2              |
| 7         | 2              |
| 8         | 2              |
| 10        | 3              |
| 19        | 1              |
+-----+-----+
6 rows in set (0.000 sec)

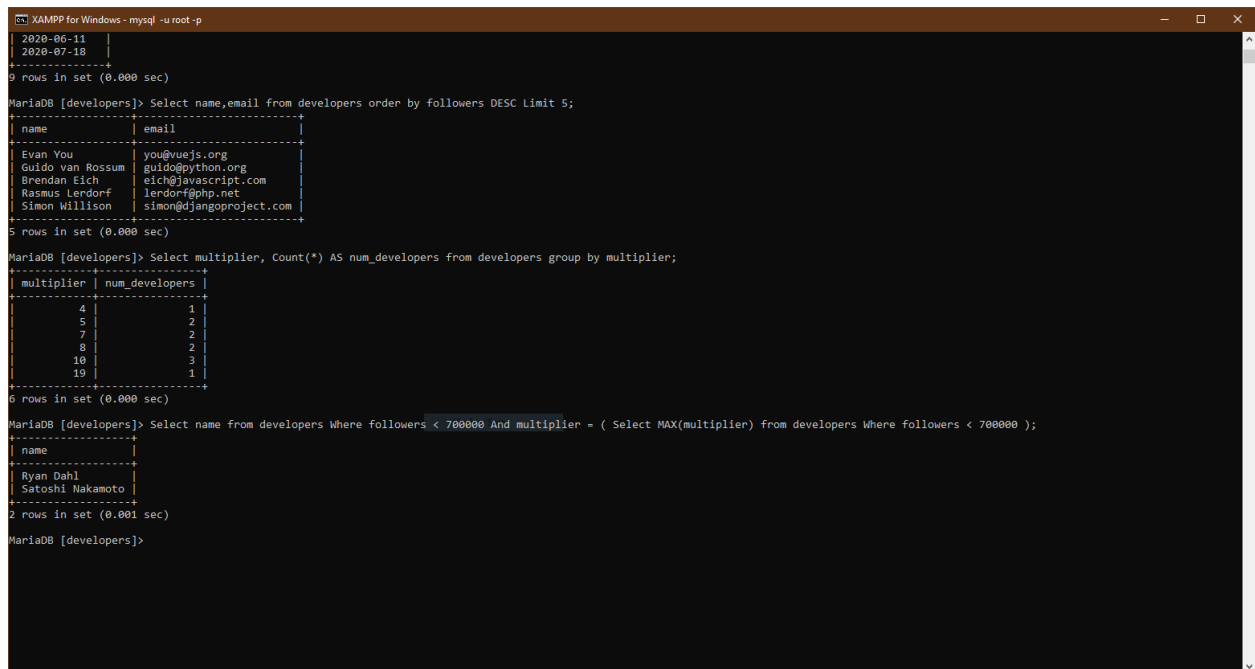
MariaDB [developers]>
```

## #Task\_04

### Command:

Select name from developers Where followers < 700000 And multiplier = ( Select MAX(multiplier) from developers Where followers < 700000 );

### Screenshot:



```
XAMPP for Windows - mysql -u root -p
2020-06-11 |
2020-07-18 |
+-----+
9 rows in set (0.000 sec)

MariaDB [developers]> 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@django-project.com |
+-----+-----+
5 rows in set (0.000 sec)

MariaDB [developers]> Select multiplier, Count(*) AS num_developers from developers group by multiplier;
+-----+-----+
| multiplier | num_developers |
+-----+-----+
| 4 | 1 |
| 5 | 2 |
| 7 | 2 |
| 9 | 2 |
| 10 | 3 |
| 19 | 1 |
+-----+-----+
6 rows in set (0.000 sec)

MariaDB [developers]> 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 (0.001 sec)

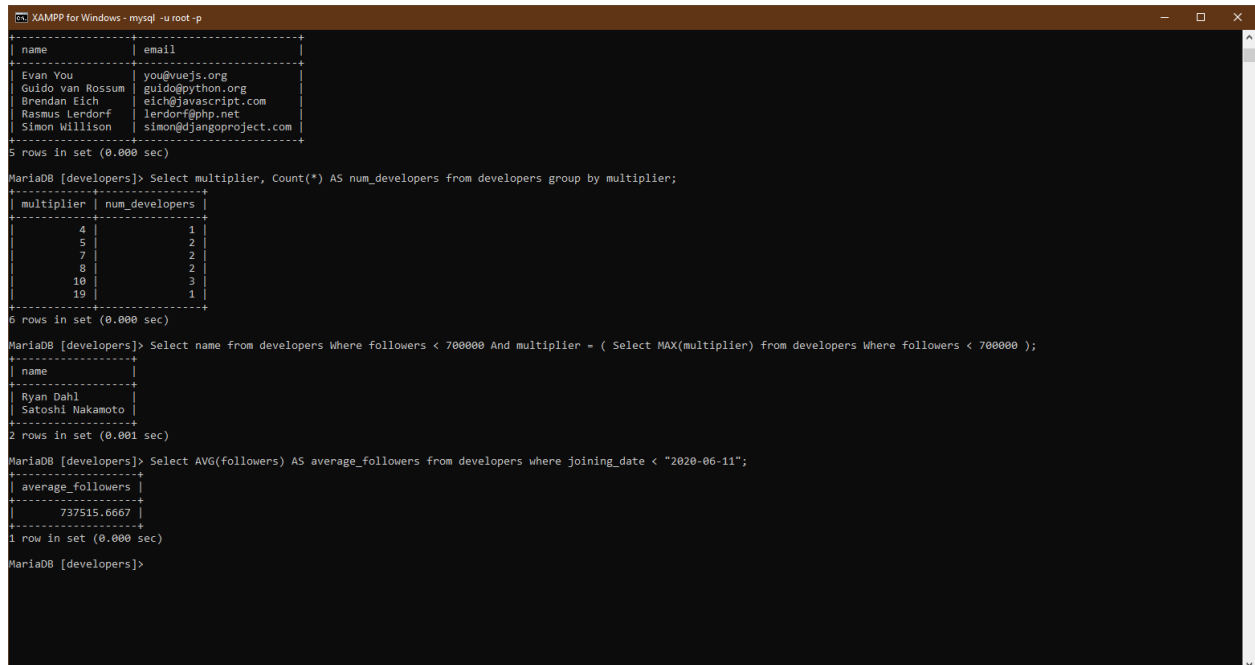
MariaDB [developers]>
```

## #Task\_05

### Command:

Select AVG(followers) AS average\_followers from developers where joining\_date < "2020-06-11";

### Screenshot:



```
XAMPP for Windows - mysql -u root -p
+----+-----+
| 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@jangoproject.com |
+----+-----+
5 rows in set (0.000 sec)

MariaDB [developers]> Select multiplier, Count(*) AS num_developers from developers group by multiplier;
+-----+-----+
| multiplier | num_developers |
+-----+-----+
| 4 | 1 |
| 5 | 2 |
| 7 | 2 |
| 8 | 2 |
| 10 | 3 |
| 19 | 1 |
+-----+-----+
6 rows in set (0.000 sec)

MariaDB [developers]> 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 (0.001 sec)

MariaDB [developers]> Select AVG(followers) AS average_followers from developers where joining_date < "2020-06-11";
+-----+
| average_followers |
+-----+
| 737515.6667 |
+-----+
1 row in set (0.000 sec)

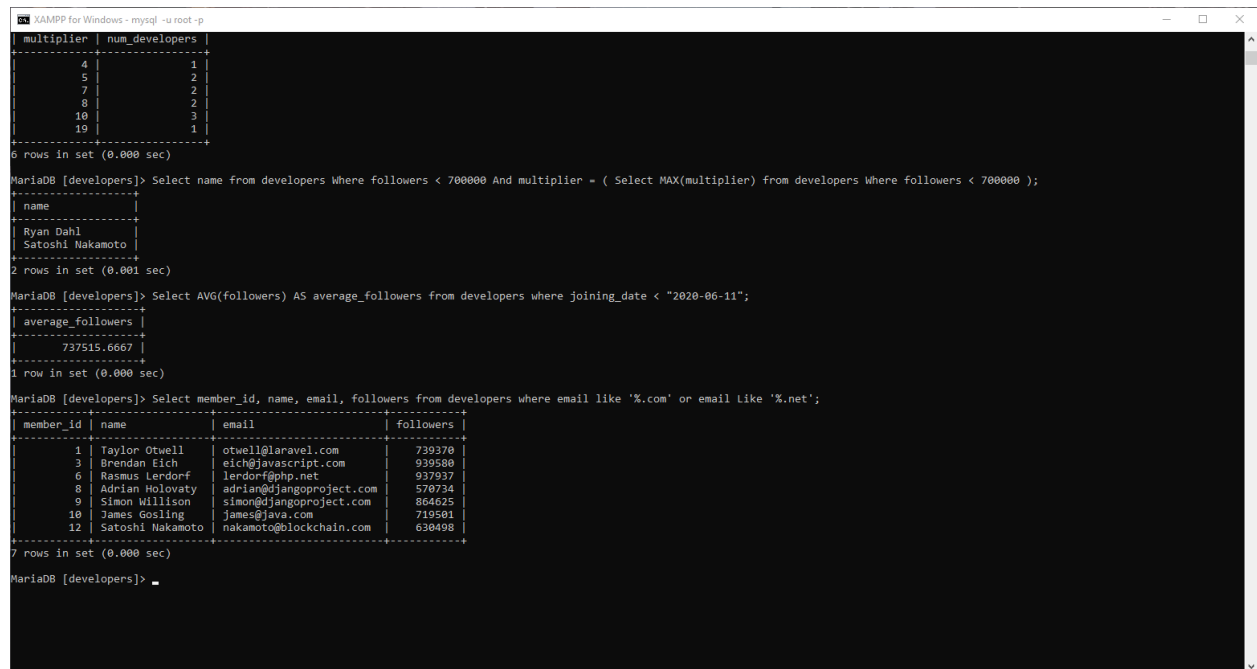
MariaDB [developers]>
```

## #Task\_06

### Command:

Select member\_id, name, email, followers from developers where email like '%.com' or email Like '%.net';

### Screenshot:



```
XAMPP for Windows - mysql -u root -p
multiplier | num_developers |
+-----+
4 | 1 |
5 | 2 |
7 | 2 |
8 | 2 |
10 | 3 |
19 | 1 |
+-----+
6 rows in set (0.000 sec)

MariaDB [developers]> 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 (0.001 sec)

MariaDB [developers]> Select AVG(followers) AS average_followers from developers where joining_date < "2020-06-11";
+-----+
| average_followers |
+-----+
| 737515.6667 |
+-----+
1 row in set (0.000 sec)

MariaDB [developers]> 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 | 739370 |
| 3 | Brendan Eich | eich@javascript.com | 939580 |
| 6 | Rasmus Lerdorf | lerdorf@php.net | 937937 |
| 8 | Adrian Holovaty | adrian@django-project.com | 570734 |
| 9 | Simon Willison | simon@django-project.com | 864625 |
| 10 | James Gosling | james@java.com | 719501 |
| 12 | Satoshi Nakamoto | nakamoto@blockchain.com | 630498 |
+-----+
7 rows in set (0.000 sec)

MariaDB [developers]> _
```