Setting environment for using XAMPP for Windows.

rauf@RAUFBISWAS c:\xampp

mysql -u root -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 8

Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;

+--------------------+

| Database |

+--------------------+

| cse370 |

| information_schema |

| mysql |

| performance_schema |

| phpmyadmin |

| test |

+--------------------+

6 rows in set (0.026 sec)

MariaDB [(none)]> DROP DATABASE CSE370;

Query OK, 1 row affected (0.064 sec)

MariaDB [(none)]> CREATE DATABASE CSE370;

Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> USE CSE370;

Database changed

MariaDB [CSE370]> CREATE TABLE Developers

    -> (
    -> member_id int,
    -> name varchar(50),
    -> email varchar(320),
    -> influence_count int,
    -> Joining_date date,
    -> multiplier int
    ->);

Query OK, 0 rows affected (0.014 sec)

MariaDB [CSE370]> DESCRIBE DEVELOPERS;

Field	Type	Null	Key	Default	Extra
member_id	int(11)	YES		NULL	
name	varchar(50)	YES		NULL	
email	varchar(320)	YES		NULL	
influence_count	int(11)	YES		NULL	
Joining_date	date	YES		NULL	
multiplier	int(11)	YES		NULL	

6 rows in set (0.014 sec)

MariaDB [CSE370]> CREATE TABLE Developers

    -> (
    -> member_id int,
    -> name varchar(50),
    -> email varchar(320),

```
-> influence_count int,

-> Joining_date date,

-> multiplier int

-> );
```
Query OK, 0 rows affected (0.016 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES

   -> (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),

   -> (4, 'Evan You', 'you@vuejs.org', 982630, '2020-06-11', 7),

   -> (5, 'Rasmus Lerdorf', 'lerdorf@php.net', 937927, '2020-06-03', 8),

   -> (6, 'Guido van Rossum', 'guido@python.org', 968827, '2020-07-18', 19),

   -> (7, 'Adrian Holovaty', 'adrian@djangoproject.com', 570724, '2020-05-07', 5),

   -> (8, 'Simon Willison', 'simon@djangoproject.com', 864615, '2020-04-30', 4),

   -> (9, 'James Gosling', 'james@java.com', 719491, '2020-05-18', 5),

   -> (10, 'Rod Johnson', 'rod@spring.io', 601744, '2020-05-18', 7),

   -> (11, 'Satoshi Nakamoto', 'nakamoto@blockchain.com', 630488, '2020-05-10', 10);

Query OK, 11 rows affected (0.015 sec)

Records: 11 Duplicates: 0 Warnings: 0

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 |
|         4 | Evan You        | you@vuejs.org          |         982630 | 2020-06-11  |          7 |
|         5 | Rasmus Lerdorf  | lerdorf@php.net        |         937927 | 2020-06-03  |          8 |
|         6 | Guido van Rossum | guido@python.org      |         968827 | 2020-07-18  |         19 |
```

```
|       7 | Adrian Holovaty  | adrian@djangoproject.com |        570724 | 2020-05-07  |        5 |
|       8 | Simon Willison  | simon@djangoproject.com  |        864615 | 2020-04-30  |        4 |
|       9 | James Gosling   | james@java.com           |        719491 | 2020-05-18  |        5 |
|      10 | Rod Johnson     | rod@spring.io            |        601744 | 2020-05-18  |        7 |
|      11 | Satoshi Nakamoto | nakamoto@blockchain.com |        630488 | 2020-05-10  |       10 |
+-----------+------------------+-------------------------+----------------+--------------+------------+
11 rows in set (0.001 sec)
```

MariaDB [CSE370]> ALTER TABLE DEVELOPERS CHANGE INFLUENCE_COUNT followers int;

Query OK, 0 rows affected (0.014 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [CSE370]> 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 |
|         4 | Evan You         | you@vuejs.org           |    982630 | 2020-06-11   |          7 |
|         5 | Rasmus Lerdorf   | lerdorf@php.net         |    937927 | 2020-06-03   |          8 |
|         6 | Guido van Rossum | guido@python.org        |    968827 | 2020-07-18   |         19 |
|         7 | Adrian Holovaty  | adrian@djangoproject.com |   570724 | 2020-05-07   |          5 |
|         8 | Simon Willison   | simon@djangoproject.com |    864615 | 2020-04-30   |          4 |
|         9 | James Gosling    | james@java.com          |    719491 | 2020-05-18   |          5 |
|        10 | Rod Johnson      | rod@spring.io           |    601744 | 2020-05-18   |          7 |
|        11 | Satoshi Nakamoto | nakamoto@blockchain.com |    630488 | 2020-05-10   |         10 |
+-----------+------------------+-------------------------+-----------+--------------+------------+
11 rows in set (0.001 sec)
```

MariaDB [CSE370]> Update developers set followers = followers + 10;

Query OK, 11 rows affected (0.009 sec)

Rows matched: 11 Changed: 11 Warnings: 0

MariaDB [CSE370]> 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	939580	2020-05-07	8
4	Evan You	you@vuejs.org	982640	2020-06-11	7
5	Rasmus Lerdorf	lerdorf@php.net	937937	2020-06-03	8
6	Guido van Rossum	guido@python.org	968837	2020-07-18	19
7	Adrian Holovaty	adrian@djangoproject.com	570734	2020-05-07	5
8	Simon Willison	simon@djangoproject.com	864625	2020-04-30	4
9	James Gosling	james@java.com	719501	2020-05-18	5
10	Rod Johnson	rod@spring.io	601754	2020-05-18	7
11	Satoshi Nakamoto	nakamoto@blockchain.com	630498	2020-05-10	10
+-----------+------------------+-------------------------+-----------+--------------+------------+
11 rows in set (0.001 sec)

MariaDB [CSE370]> SELECT name, (followers * 100 / 1000000 * multiplier * 100 / 20) / 100 AS Efficiency FROM Developers;

+------------------+-----------------+
| name | Efficiency |
+------------------+-----------------+
Taylor Otwell	36.968500000000
Ryan Dahl	31.682100000000
Brendan Eich	37.583200000000
Evan You	34.392400000000
Rasmus Lerdorf	37.517480000000
Guido van Rossum	92.039515000000

| Adrian Holovaty | 14.268350000000 |

| Simon Willison | 17.292500000000 |

| James Gosling | 17.987525000000 |

| Rod Johnson | 21.061390000000 |

| Satoshi Nakamoto | 31.524900000000 |

+------------------+-----------------+

11 rows in set (0.001 sec)

MariaDB [CSE370]> SELECT UPPER(name) AS name, Joining_date FROM Developers ORDER BY Joining_date DESC;

+------------------+--------------+

| name | Joining_date |

+------------------+--------------+

| GUIDO VAN ROSSUM | 2020-07-18 |

| EVAN YOU | 2020-06-11 |

| TAYLOR OTWELL | 2020-06-10 |

| RASMUS LERDORF | 2020-06-03 |

| JAMES GOSLING | 2020-05-18 |

| ROD JOHNSON | 2020-05-18 |

| SATOSHI NAKAMOTO | 2020-05-10 |

| BRENDAN EICH | 2020-05-07 |

| ADRIAN HOLOVATY | 2020-05-07 |

| SIMON WILLISON | 2020-04-30 |

| RYAN DAHL | 2020-04-22 |

+------------------+--------------+

11 rows in set (0.001 sec)

MariaDB [CSE370]> SELECT member_id, name, email, followers FROM Developers WHERE email LIKE '%.com%' OR email LIKE '%.ne

t%';

+-----------+------------------+-------------------------+-----------+

| member_id | name | email | followers |

```
+-----------+------------------+-------------------------+-----------+
|         1 | Taylor Otwell    | otwell@laravel.com      |    739370 |
|         3 | Brendan Eich     | eich@javascript.com     |    939580 |
|         5 | Rasmus Lerdorf   | lerdorf@php.net         |    937937 |
|         7 | Adrian Holovaty  | adrian@djangoproject.com|    570734 |
|         8 | Simon Willison   | simon@djangoproject.com |    864625 |
|         9 | James Gosling    | james@java.com          |    719501 |
|        11 | Satoshi Nakamoto | nakamoto@blockchain.com |    630498 |
+-----------+------------------+-------------------------+-----------+
7 rows in set (0.001 sec)
```