

Task-1

```
CREATE DATABASE Area_120;
```

```
USE Area_120;
```

```
CREATE TABLE Developers
```

```
-> (  
-> member_id INT PRIMARY KEY,  
-> name VARCHAR(100),  
-> email VARCHAR(150),  
-> influence_count INT,  
-> joining_date DATE,  
-> multiplier INT  
-> );
```

```
INSERT INTO Developers
```

```
(member_id, name, email, influence_count, Joining_date, multiplier)  
VALUES
```

```
-> (1, 'Taylor Otwell', 'otwell@laravel.com', 739360, '2020-6-10', 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, '2020-06-3', 8);
```

```
INSERT INTO Developers
```

```
(member_id, name, email, influence_count, Joining_date, multiplier)  
VALUES
```

```
-> (6, 'Guido van Rossum', 'guido@python.org', 968827, '2020-07-18', 19),  
-> (7, 'Adrian Holovaty', 'adrian@django project.com', 570724, '2020-05-07', 5),  
-> (8, 'Simon Willison', 'simon@django project.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);
```

```

Setting environment for using XAMPP for Windows.
ECHO COMPUTER@DESKTOP-5M5E7ET c:\xampp
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 10
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)]> CREATE DATABASE Area_120;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> USE Area_120;
Database changed
MariaDB [Area_120]> CREATE TABLE Developers
  -> (
  -> member_id INT PRIMARY KEY,
  -> name VARCHAR(100),
  -> email VARCHAR(150),
  -> influence_count INT,
  -> Joining_date DATE,
  -> multiplier INT
  -> );
Query OK, 0 rows affected (0.028 sec)

```

```

Database changed
MariaDB [Area_120]> INSERT INTO Developers
  -> (member_id, name, email, influence_count, Joining_date, multiplier)
  -> VALUES
  -> (1, 'Taylor Otwell', 'otwell@laravel.com', 739360, '2020-6-10', 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, '2020-06-3', 8);
Query OK, 5 rows affected (0.016 sec)
Records: 5  Duplicates: 0  Warnings: 0

MariaDB [Area_120]> INSERT INTO Developers
  -> (member_id, name, email, influence_count, Joining_date, multiplier)
  -> VALUES
  -> (6, 'Guido van Rossum', 'guido@python.org', 968827, '2020-07-18', 19),
  -> (7, 'Adrian Holovaty', 'adrian@django.org', 570724, '2020-05-07', 5),
  -> (8, 'Simon Willison', 'simon@django.org', 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, 6 rows affected (0.006 sec)
Records: 6  Duplicates: 0  Warnings: 0

```

```
MariaDB [Area_120]> 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)
```

Task-2:

ALTER TABLE Developers CHANGE influence_count followers INT;

```
MariaDB [Area_120]> ALTER TABLE Developers CHANGE influence_count followers INT;
Query OK, 0 rows affected (0.032 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Area_120]> 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)
```

TASK-3:

UPDATE Developers

-> SET followers = followers + 10;

```

MariaDB [Area_120]> UPDATE Developers
  -> SET followers = followers + 10;
Query OK, 11 rows affected (0.012 sec)
Rows matched: 11  Changed: 11  Warnings: 0

MariaDB [Area_120]> SELECT * FROM Developers;

```

```

MariaDB [Area_120]> 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@django.org  | 570734    | 2020-05-07   | 5          |
| 8         | Simon Willison | simon@django.org    | 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)

```

TASK-4:

SELECT name ,((followers*100/1000000)*(multiplier*100/20))/100 as Efficiency from Developers;

```

MariaDB [Area_120]> SELECT name ,((followers*100/1000000)*(multiplier*100/20))/100 as Efficiency from Developers;
+-----+-----+
| name          | Efficiency |
+-----+-----+
| Taylor Otwell | 36.968000000000 |
| Ryan Dahl     | 31.681600000000 |
| Brendan Eich  | 37.582800000000 |
| Evan You      | 34.392050000000 |
| Rasmus Lerdorf | 37.517080000000 |
| Guido van Rossum | 92.038565000000 |
| Adrian Holovaty | 14.268100000000 |
| Simon Willison | 17.292300000000 |
| James Gosling  | 17.987275000000 |
| Rod Johnson    | 21.061040000000 |
| Satoshi Nakamoto | 31.524400000000 |
+-----+-----+
11 rows in set (0.001 sec)

```

Task-5:

SELECT UPPER(name), joining_date FROM Developers

-> ORDER BY joining_date DESC;

```
MariaDB [Area_120]> SELECT UPPER(name), joining_date FROM Developers
-> ORDER BY joining_date DESC;
+-----+-----+
| UPPER(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 (0.005 sec)
```

Task-6:

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

```
MariaDB [Area_120]> SELECT member_id, name, email, followers FROM Developers WHERE email LIKE '%.net%' or email LIKE '%.com%';
+-----+-----+-----+-----+
| member_id | name | email | followers |
+-----+-----+-----+-----+
| 1 | Taylor Otwell | otwell@laravel.com | 739360 |
| 3 | Brendan Eich | eich@javascript.com | 939570 |
| 5 | Rasmus Lerdorf | lerdorf@php.net | 937927 |
| 7 | Adrian Holovaty | adrian@django-project.com | 570724 |
| 8 | Simon Willison | simon@django-project.com | 864615 |
| 9 | James Gosling | james@java.com | 719491 |
| 11 | Satoshi Nakamoto | nakamoto@blockchain.com | 630488 |
+-----+-----+-----+-----+
7 rows in set (0.001 sec)
```