

```
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 11
Server version: 10.4.32-MariaDB mariadb.org binary distribution

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

Command:

```
1. mysql -u root -p

2. SHOW DATABASES;

3. CREATE DATABASE CSE370;

4. USE CSE370;

5. CREATE TABLE Developers
(
member_id int,
name varchar(30),
email varchar(30),
influence_count int,
Joining_date date,
multiplier int
);
```

6. DESCRIBE Developers;

7. 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@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);

8. SELECT * FROM Developers;

Answer of the queries:

1. SELECT * FROM Developers;

```
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)

2. ALTER TABLE Developers CHANGE influence_count followers int;

```
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)

3. UPDATE Developers SET followers = followers + 10;

```
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 (0.000 sec)

4. SELECT name, (followers * 100.0 / 1000000 * multiplier * 100.0 / 20) / 100 AS Efficiency FROM Developers;

```
MariaDB [CSE370]> SELECT name, (followers * 100.0 / 1000000 * multiplier * 100.0 / 20) / 100 AS Efficiency FROM Developers;
```

name	Efficiency
Taylor Otwell	36.96850000000000
Ryan Dahl	31.68210000000000
Brendan Eich	37.58320000000000
Evan You	34.39240000000000
Rasmus Lerdorf	37.51748000000000
Guido van Rossum	92.03951500000000
Adrian Holovaty	14.26835000000000
Simon Willison	17.29250000000000
James Gosling	17.98752500000000
Rod Johnson	21.06139000000000
Satoshi Nakamoto	31.52490000000000

11 rows in set (0.000 sec)

5. SELECT UPPER(name) AS name, Joining_date FROM Developers ORDER BY Joining_date DESC;

```
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 (0.000 sec)

6. 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	739370
3	Brendan Eich	eich@javascript.com	939580
5	Rasmus Lerdorf	lerdorf@php.net	937937
7	Adrian Holovaty	adrian@django-project.com	570734
8	Simon Willison	simon@django-project.com	864625
9	James Gosling	james@java.com	719501
11	Satoshi Nakamoto	nakamoto@blockchain.com	630498

7 rows in set (0.001 sec)