

> mysql -u root -p

```
[abdullah@fedora ~]$ /opt/lampp/bin/mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 10
Server version: 10.4.24-MariaDB Source 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.
```

> show databases;

```
MariaDB [(none)]> show databases;
+-----+
| Database          |
+-----+
| cse370_lab        |
| information_schema |
| mysql             |
| performance_schema |
| phpmyadmin        |
| test              |
+-----+
6 rows in set (0.001 sec)
```

> create database cse370\_lab;

```
> use cse370_lab;
```

```
MariaDB [(none)]> use cse370_lab;  
Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A  
  
Database changed  
MariaDB [cse370_lab]> 
```

```
> create table Developers (  
  -> member_id int,  
  -> name varchar(30),  
  -> email varchar(30),  
  -> influence_count int,  
  -> Joining_date date,  
  -> multiplier int );
```

```
MariaDB [cse370_lab]> create table Developers (  
  -> member_id int,  
  -> name varchar(30),  
  -> email varchar(30),  
  -> influence_count int,  
  -> Joining_date date,  
  -> multiplier int );  
Query OK, 0 rows affected (0.019 sec)
```

```
> show tables;
```

```
MariaDB [cse370_lab]> show tables;  
+-----+  
| Tables_in_cse370_lab |  
+-----+  
| Developers            |  
| lab_grades            |  
+-----+  
2 rows in set (0.000 sec)
```

> describe Developers;

```
MariaDB [cse370_lab]> describe Developers;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| member_id      | int(11)       | YES  |     | NULL    |       |
| name           | varchar(30)   | YES  |     | NULL    |       |
| email          | varchar(30)   | YES  |     | NULL    |       |
| influence_count | int(11)       | YES  |     | NULL    |       |
| Joining_date   | date          | YES  |     | NULL    |       |
| multiplier     | int(11)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.011 sec)
```

> insert into Developers (member\_id, name, email, influence\_count, Joining\_date, multiplier)  
-> values (1, 'Taylor Otwell', 'otwell@laravel.com', 739360, '2020-6-10', 10);

> insert into Developers values

-> (2, 'Ryan Dahl', 'ryanl@notejs.org', 633632, '2020-04-22', 10),  
-> (3, 'Brendan Eich', 'eich@javascript.com', 939570, '2020-05-07', 8),  
-> (5, 'Evan You', 'you@vuejs.org', 982630, '2020-06-11', 7),  
-> (6, 'Rasmus Lerdorf', 'lerdorf@php.net', 937927, '2020-06-3', 8),  
-> (7, 'Guido van Rossum', 'guido@python.org', 968827, '2020-07-18', 19),  
-> (8, 'Adrian Holovaty', 'adrian@django project.com', 570724, '2020-05-07', 5),  
-> (9, 'Simon Willison', 'simon@django project.com', 864615, '2020-04-30', 4),  
-> (10, 'James Gosling', 'james@java.com', 719491, '2020-05-18', 5),  
-> (11, 'Rod Johnson', 'rod@spring.io', 601744, '2020-05-18', 7),  
-> (12, 'Satoshi Nakamoto', 'nakamoto@blockchain.com', 630488, '2020-05-10', 10);

```
MariaDB [cse370_lab]> insert into Developers values
-> (2, 'Ryan Dahl', 'ryanl@notejs.org', 633632, '2020-04-22', 10),
-> (3, 'Brendan Eich', 'eich@javascript.com', 939570, '2020-05-07', 8),
-> (5, 'Evan You', 'you@vuejs.org', 982630, '2020-06-11', 7),
-> (6, 'Rasmus Lerdorf', 'lerdorf@php.net', 937927, '2020-06-3', 8),
-> (7, 'Guido van Rossum', 'guido@python.org', 968827, '2020-07-18', 19),
-> (8, 'Adrian Holovaty', 'adrian@django project.com', 570724, '2020-05-07', 5),
-> (9, 'Simon Willison', 'simon@django project.com', 864615, '2020-04-30', 4),
-> (10, 'James Gosling', 'james@java.com', 719491, '2020-05-18', 5),
-> (11, 'Rod Johnson', 'rod@spring.io', 601744, '2020-05-18', 7),
-> (12, 'Satoshi Nakamoto', 'nakamoto@blockchain.com', 630488, '2020-05-10', 10);
Query OK, 10 rows affected (0.004 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

> select \* from Developers;

```
MariaDB [cse370_lab]> 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	ryanl@notejs.org	633632	2020-04-22	10
3	Brendan Eich	eich@javascript.com	939570	2020-05-07	8
5	Evan You	you@vuejs.org	982630	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
7	Guido van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@djangoproject.com	570724	2020-05-07	5
9	Simon Willison	simon@djangoproject.com	864615	2020-04-30	4
10	James Gosling	james@java.com	719491	2020-05-18	5
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7
12	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

```
11 rows in set (0.000 sec)
```

> alter table Developers change influence\_count followers int;

> select \* from Developers;

```
MariaDB [cse370_lab]> alter table Developers change influence_count followers int;
Query OK, 0 rows affected (0.006 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [cse370_lab]> 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	ryanl@notejs.org	633632	2020-04-22	10
3	Brendan Eich	eich@javascript.com	939570	2020-05-07	8
5	Evan You	you@vuejs.org	982630	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
7	Guido van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@djangoproject.com	570724	2020-05-07	5
9	Simon Willison	simon@djangoproject.com	864615	2020-04-30	4
10	James Gosling	james@java.com	719491	2020-05-18	5
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7
12	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

```
11 rows in set (0.000 sec)
```

> select member\_id, name, email, (followers+10), Joining\_date, multiplier from Developers;

```
MariaDB [cse370_lab]> select member_id, name, email, (followers+10), Joining_date, multiplier from Developers;
```

member_id	name	email	(followers+10)	Joining_date	multiplier
1	Taylor Otwell	otwell@laravel.com	739370	2020-06-10	10
2	Ryan Dahl	ryanl@notejs.org	633642	2020-04-22	10
3	Brendan Eich	eich@javascript.com	939580	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@djangoproject.com	570734	2020-05-07	5
9	Simon Willison	simon@djangoproject.com	864625	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 (0.000 sec)
```

> select name, email, followers from Developers;

```
MariaDB [cse370_lab]> select name, email, followers from Developers;
```

name	email	followers
Taylor Otwell	otwell@laravel.com	739360
Ryan Dahl	ryanl@notejs.org	633632
Brendan Eich	eich@javascript.com	939570
Evan You	you@vuejs.org	982630
Rasmus Lerdorf	lerdorf@php.net	937927
Guido van Rossum	guido@python.org	968827
Adrian Holovaty	adrian@djangoproject.com	570724
Simon Willison	simon@djangoproject.com	864615
James Gosling	james@java.com	719491
Rod Johnson	rod@spring.io	601744
Satoshi Nakamoto	nakamoto@blockchain.com	630488

```
11 rows in set (0.000 sec)
```

```
> select *, ((followers*100/1000000) * (multiplier*100/20))/100 as Efficiency from Developers;
```

```
MariaDB [cse370_lab]> select *, ((followers*100/1000000) * (multiplier*100/20))/100 as Efficiency from Developers;
```

member_id	name	email	followers	Joining_date	multiplier	Efficiency
1	Taylor Otwell	otwell@laravel.com	739360	2020-06-10	10	36.968000000000
2	Ryan Dahl	ryanl@notejs.org	633632	2020-04-22	10	31.681600000000
3	Brendan Eich	eich@javascript.com	939570	2020-05-07	8	37.582800000000
5	Evan You	you@vuejs.org	982630	2020-06-11	7	34.392050000000
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8	37.517080000000
7	Guido van Rossum	guido@python.org	968827	2020-07-18	19	92.038565000000
8	Adrian Holovaty	adrian@django-project.com	570724	2020-05-07	5	14.268100000000
9	Simon Willison	simon@django-project.com	864615	2020-04-30	4	17.292300000000
10	James Gosling	james@java.com	719491	2020-05-18	5	17.987275000000
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7	21.061040000000
12	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10	31.524400000000

```
11 rows in set (0.000 sec)
```