

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

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 (0.001 sec)

MariaDB [(none)]> drop database CSE370;

Query OK, 1 row affected (0.010 sec)

MariaDB [(none)]> CREATE DATABASE CSE370;

Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> USE CSE370;

Database changed

MariaDB [CSE370]> 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 (0.015 sec)

MariaDB [CSE370]> 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 (0.013 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@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);

```

Query OK, 11 rows affected (0.009 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 |
MariaDB [CSE370]> Johnson          | rod@spring.io          |
601744 | 2020-05-18    |

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@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	
+-----+-----+-----+-----+				
-----+-----+-----+				

11 rows in set (0.001 sec)

```
MariaDB [CSE370]> ALTER TABLE Developers CHANGE influence_count
followers int;
```

```
Query OK, 0 rows affected (0.008 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@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	

```

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

```

11 rows in set (0.001 sec)

```

MariaDB [CSE370]> UPDATE Developers SET followers = followers +
10;

```

Query OK, 11 rows affected (0.003 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@django project.com	
570734		2020-05-07		5
	8	Simon Willison	simon@django project.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)

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

```
ERROR 1054 (42S22): Unknown column 'multipliers' in 'field list'
```

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

```
+-----+-----+  
| name                | Efficiency          |  
+-----+-----+  
| Taylor Otwell       | 36.968500000000000 |  
| Ryan Dahl           | 31.682100000000000 |  
| Brendan Eich        | 37.583200000000000 |  
| Evan You            | 34.392400000000000 |  
| Rasmus Lerdorf      | 37.517480000000000 |  
| Guido van Rossum    | 92.039515000000000 |  
| Adrian Holovaty     | 14.268350000000000 |  
| Simon Willison      | 17.292500000000000 |  
| James Gosling       | 17.987525000000000 |  
| Rod Johnson         | 21.061390000000000 |  
| Satoshi Nakamoto    | 31.524900000000000 |  
+-----+-----+
```

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

```
MariaDB [CSE370]> 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 (0.001 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 (0.000 sec)

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				

937937	5	Rasmus Lerdorf	lerdorf@php.net
570734	7	Adrian Holovaty	adrian@django project.com
864625	8	Simon Willison	simon@django project.com
719501	9	James Gosling	james@java.com
630498	11	Satoshi Nakamoto	nakamoto@blockchain.com

```

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

```

7 rows in set (0.001 sec)

MariaDB [CSE370]>