

CSE 370: Database Systems

Lab No - 01

Submitted by

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<u>Task 1</u>

Before Creating The Database

After Creating The Database

After Creating Table Called Developers

Adding Values to Database Table

```
MariaDB [assignment_one]> INSERT INTO Developers 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),
    -> (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@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);
Query OK, 11 rows affected (0.012 sec)
Records: 11 Duplicates: 0 Warnings: 0
 MariaDB [assignment_one]> INSERT INTO Developers VALUES
 MariaDB [assignment one]> SELECT * FROM Developers;
                                                                                                                                   | influenece_count | Joining_date | multiplier |
    member_id | name
                                                                      | email
                      1 | Taylor Otwell
2 | Ryan Dahl
                                                                     | otwell@laravel.com
                                                                                                                                                             739360 |
                                                                                                                                                                                  2020-06-10
                                                                                                                                                                                                                                      10
                                                                     | ryan@nodejs.org
| eich@javascript.com
                                                                                                                                                              633632
                                                                                                                                                                                   2020-04-22
                           | Brendan Eich
                                                                                                                                                              939570 j
                                                                                                                                                                                  2020-05-07
                                                                                                                                                                                  2020-06-11
                                                                                                                                                              982630
                                                                                                                                                              937927
                                                                                                                                                                                  2020-06-03
                                                                                                                                                                                                                                        8
                                                                                                                                                              968827
                                                                                                                                                                                  2020-07-18
                                                                                                                                                              570724
                                                                                                                                                                                  2020-05-07
                                                                                                                                                                                  2020-04-30
                      g
                                                                                                                                                                                                                                        4
                                                                                                                                                             864615
                                                                                                                                                              719491
                                                                                                                                                                                  2020-05-18
                            | Rod Johnson | rod@spring.io |
| Satoshi Nakamoto | nakamoto@blockchain.com |
                                                                                                                                                              601744
                                                                                                                                                                                   2020-05-18
                                                                                                                                                              630488
                                                                                                                                                                                  2020-05-10
 11 rows in set (0.001 sec)
```

Task 2

```
MariaDB [assignment one]> ALTER TABLE Developers CHANGE COLUMN influenece count followers INT;
Query OK, 0 rows affected (0.010 sec)
Records: 0 Duplicates: 0 Warnings: 0
MariaDB [assignment one]> SELECT * FROM Developers;
 member_id | name
                               | email
                                                          | followers | Joining_date | multiplier |
              Taylor Otwell
                                otwell@laravel.com
                                                               739360 |
                                                                        2020-06-10
             Ryan Dahl
                                ryan@nodejs.org
                                                              633632
                                                                        2020-04-22
                                                                                               10
             Brendan Eich
                                eich@javascript.com
                                                              939570
                                                                        2020-05-07
                                you@vuejs.org
                                                              982630
                                                                        2020-06-11
             Evan You
             Rasmus Lerdorf
                                                              937927
                                                                        2020-06-03
                                lerdorf@php.net
             Guido van Rossum
                                guido@python.org
                                                              968827
                                                                        2020-07-18
                                                                                               19
             Adrian Holovaty
                                adrian@djangoproject.com |
                                                               570724
                                                                       2020-05-07
             Simon Willison
                                                               864615
                                                                        2020-04-30
                                simon@djangoproject.com
         10
             James Gosling
                                james@java.com
                                                               719491
                                                                        2020-05-18
             Rod Johnson
                                                                        2020-05-18
         11
                                rod@spring.io
                                                               601744
         12 |
             Satoshi Nakamoto |
                                                               630488 i
                                                                        2020-05-10
                                nakamoto@blockchain.com
                                                                                               10
11 rows in set (0.001 sec)
```

Task 3

```
MariaDB [assignment one]> UPDATE Developers SET followers = followers+10;
Query OK, 11 rows affected (0.007 sec)
Rows matched: 11 Changed: 11 Warnings: 0
MariaDB [assignment one]> SELECT * FROM Developers;
 member id | name
                                                         | followers | Joining date | multiplier |
                              | email
             Taylor Otwell
                                otwell@laravel.com
                                                              739370 |
                                                                       2020-06-10
                                ryan@nodejs.org
             Ryan Dahl
                                                              633642
                                                                       2020-04-22
             Brendan Eich
                                eich@javascript.com
                                                              939580 İ
                                                                       2020-05-07
                                                              982640
                                                                       2020-06-11
         5
             Evan You
                                you@vuejs.org
             Rasmus Lerdorf
                                lerdorf@php.net
                                                              937937
                                                                       2020-06-03
                                guido@python.org
             Guido van Rossum
                                                              968837
                                                                       2020-07-18
             Adrian Holovaty
                                adrian@djangoproject.com
                                                              570734
                                                                       2020-05-07
             Simon Willison
         9
                                simon@djangoproject.com
                                                              864625
                                                                       2020-04-30
             James Gosling
                                james@java.com
                                                              719501
                                                                       2020-05-18
                                rod@spring.io
             Rod Johnson
                                                              601754
                                                                       2020-05-18
                                nakamoto@blockchain.com
             Satoshi Nakamoto
                                                              630498
                                                                       2020-05-10
                                                                                              10
11 rows in set (0.001 sec)
```

Task 4

Task 5

Task 6

Task 7

Task 8

MariaDB [assignment_one]> SELECT member_id, name, email, followers -> FROM Developers -> WHERE email LIKE '%.com' OR email LIKE '%.net';			
member_id	name	email	followers
1 3 6 8 9 10	Taylor Otwell Brendan Eich Rasmus Lerdorf Adrian Holovaty Simon Willison James Gosling Satoshi Nakamoto	otwell@laravel.com eich@javascript.com lerdorf@php.net adrian@djangoproject.com simon@djangoproject.com james@java.com nakamoto@blockchain.com	739370 939580 937937 570734 864625 719501 630498
7 rows in set (0.001 sec)			