Deadline: 19-06-2023 11:59 pm

Name: Ms Rodsy Tahmid

ld: 20101021

Sec-06

```
<u>Task-1:</u>
mysql -u root -p
create database Lab_HW1;
use Lab_HW1;
create table Developers
member_id int,
name varchar(30),
email varchar(30),
influence_count int,
Joining_date date,
multiplier int
);
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);

Select * from Developers;

```
XAMPP for Windows - mysql -u root -p
Setting environment for using XAMPP for Windows.
user@DESKTOP-VLI4E6U d:\new folder\xamp
# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 17
Server version: 10.4.28-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 Lab_HW1;
Query OK, 1 row affected (0.000 sec)
MariaDB [(none)]> use Lab HW1;
Database changed
MariaDB [Lab_HW1]> 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 (0.018 sec)
MariaDB [Lab_HW1]> 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);
```

```
-> (12, 'Satoshi Nakamoto', 'nakamoto@blockchain.com', 630488, '2020-05-10', 10);
Query OK, 11 rows affected (0.003 sec)
Records: 11 Duplicates: 0 Warnings: 0
MariaDB [Lab_HW1]> Select * from Developers;
 member_id | name
                                       email
                                                                          | influence_count | Joining_date | multiplier
           1 Taylor Otwell otwell@laravel.com
2 Ryan Dahl ryan@nodejs.org
3 Brendan Eich eich@javascript.com
5 Evan You you@vuejs.org
6 Rasmus Lerdorf lerdorf@php.net
7 Guido van Rossum guido@python.org
8 Adrian Holovaty adrian@djangoproject.com
9 Simon Willison simon@djangoproject.com
                                                                                        739360 2020-06-10
                                                                                                                                  10
                                                                                        633632
                                                                                                    2020-04-22
                                                                                                                                  10
                                                                                      939570 2020-05-07
                                                                                                                                  8
                                                                                       982630
                                                                                                    2020-06-11
                                                                                        937927
                                                                                                    2020-06-03
                                                                                                                                   8
                                                                                        968827
                                                                                                    2020-07-18
                                                                                                                                  19
                                                                                                    2020-05-07
                                                                                        570724
                                                                                       864615
                                                                                                    2020-04-30
           10 James Gosling
                                        james@java.com
rod@spring.io
                                                                                        719491 | 2020-05-18
           11 Rod Johnson
                                                                                        601744
                                                                                                    2020-05-18
           12 | Satoshi Nakamoto | nakamoto@blockchain.com
                                                                                        630488 | 2020-05-10
                                                                                                                                  10
11 rows in set (0.000 sec)
```

Task-2:

Alter table Developers change influence_count followers int;

Select * from Developers;

Query OK, 0 r Records: 0 [_HW1]> Alter table [rows affected (0.05] Duplicates: 0 Warn: _HW1]> Select * from	ings: 0	_count follow	wers int;	
member_id	name	email	followers	Joining_date	multiplier
1 2 3 5 6 7 8 9 10 11 12 +	Taylor Otwell Ryan Dahl Brendan Eich Evan You Rasmus Lerdorf Guido van Rossum Adrian Holovaty Simon Willison James Gosling Rod Johnson Satoshi Nakamoto	otwell@laravel.com ryan@nodejs.org eich@javascript.com you@vuejs.org lerdorf@php.net guido@python.org adrian@djangoproject.com simon@djangoproject.com james@java.com rod@spring.io nakamoto@blockchain.com	739360 633632 939570 982630 937927 968827 570724 864615 719491 601744 630488	2020-05-07 2020-06-11 2020-06-03 2020-07-18 2020-05-07 2020-04-30	10 10 8 7 8 19 5 4 5 7

<u>Task-3:</u>

update Developers set followers = (followers + 10);

Select * from Developers;

```
MariaDB [Lab_HW1]> update Developers set followers = (followers + 10);
Query OK, 11 rows affected (0.040 sec)
Rows matched: 11 Changed: 11 Warnings: 0
MariaDB [Lab_HW1]> Select * from Developers;
 member_id | name
                               email
                                                          | followers | Joining_date | multiplier
             Taylor Otwell | otwell@laravel.com
Ryan Dahl | ryan@nodejs.org
Brendan Eich | eich@javascript.com
Evan You | you@vuejs.org
                                                          739370 | 2020-06-10
         1 |
            Ryan Dahl
                                                             633642 2020-04-22
            Brendan Eich
                                                                                                 8
                                                            939580 | 2020-05-07
         5
            Evan You
                                                             982640
                                                                        2020-06-11
         6
             Rasmus Lerdorf
                               lerdorf@php.net
                                                             937937
                                                                        2020-06-03
                                                                                                 8
             Guido van Rossum | guido@python.org
                                                               968837
                                                                         2020-07-18
                                                                                                19
             Adrian Holovaty | adrian@djangoproject.com |
         8
                                                               570734
                                                                        2020-05-07
                                                                                                 5
             Simon Willison
                                 simon@djangoproject.com
                                                               864625
                                                                        2020-04-30
         10
              James Gosling
                                 james@java.com
                                                               719501
                                                                         2020-05-18
              Rod Johnson
         11
                                 rod@spring.io
                                                               601754
                                                                         2020-05-18
         12 | Satoshi Nakamoto | nakamoto@blockchain.com
                                                               630498 | 2020-05-10
                                                                                                10
11 rows in set (0.001 sec)
```

<u>Task-4:</u>
Select name, email, followers from Developers;

name	email	followers
Taylor Otwell	otwell@laravel.com	739370
Ryan Dahl	ryan@nodejs.org	633642
Brendan Eich	eich@javascript.com	939580
Evan You	you@vuejs.org	982640
Rasmus Lerdorf	lerdorf@php.net	937937
Guido van Rossum	guido@python.org	968837
Adrian Holovaty	adrian@djangoproject.com	570734
Simon Willison	simon@djangoproject.com	864625
James Gosling	james@java.com	719501
Rod Johnson	rod@spring.io	601754
Satoshi Nakamoto	nakamoto@blockchain.com	630498

Task-5:

```
MariaDB [Lab_HW1]> Select name, ((followers*100/1000000)*(multiplier*100/20))/100 as Efficiency from Developers;
                  | Efficiency
 name
 Taylor Otwell
                   36.968500000000
 Ryan Dahl
                    31.682100000000
 Brendan Eich
                    37.583200000000
 Evan You
                   34.392400000000
                    37.517480000000
 Rasmus Lerdorf
 Guido van Rossum
                    92.039515000000
 Adrian Holovaty
                    14.268350000000
 Simon Willison
                    17.292500000000
 James Gosling
                    17.987525000000
 Rod Johnson
                    21.061390000000
 Satoshi Nakamoto | 31.52490000000
11 rows in set (0.001 sec)
```