CSE370 LAB ASSIGNMENT 01

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SECTION: 06

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Question - 01: Create the above table with appropriate data type for each column.

```
Query: CREATE TABLE Developers
(

member_id INT,
name VARCHAR(30),
email VARCHAR(30),
influence_count INT,
Joining_date date,
multiplier INT
);
```

```
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 (0.560 sec)
```

Query: DESCRIBE Developers;

(Inserting Values into the table - giving only one command)

Query: INSERT INTO Developers VALUES(1, 'Taylor Otwell', 'otwell@laravel.com', 739360, '2020-6-10', 10);

```
MariaDB [CSE370]> INSERT INTO Developers VALUES(1, 'Taylor Otwell', 'otwell@laravel.com', 739360, '2020-6-10', 10);
Query OK, 1 row affected (0.078 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(2, 'Ryan Dahl', 'ryan@nodejs.org', 633632, '2020-04-22', 10);
Query OK, 1 row affected (0.078 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(3, 'Brendan Eich', 'eich@javascript.com', 939570, '2020-05-87', 8);
Query OK, 1 row affected (0.068 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(5, 'Evan You', 'you@vuejs.org', 982630, '2020-06-11', 7);
Query OK, 1 row affected (0.068 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(6, 'Rasmus Lerdorf', 'lerdorf@php.net', 937927, '2020-06-3', 8);
Query OK, 1 row affected (0.067 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(7, 'Guido van Rossum', 'guido@python.org', 968827, '2020-07-18', 19);
Query OK, 1 row affected (0.069 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(8, 'Adrian Holovaty', 'adrian@djangoproject.com', 570724, '2020-08-07', 5);
Query OK, 1 row affected (0.067 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(9, 'Simon Willison', 'simon@djangoproject.com', 864615, '2020-04-30', 4);
Query OK, 1 row affected (0.080 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(10, 'James Gosling', 'james@java.com', 719491, '2020-05-18', 5);
Query OK, 1 row affected (0.083 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(11, 'Rod Johnson', 'rod@spring.io', 601744, '2020-05-18', 7);
Query OK, 1 row affected (0.072 sec)

MariaDB [CSE370]> INSERT INTO Developers VALUES(11, 'Rod Johnson', 'rod@spring.io', 601744, '2020-05-18', 7);
Query OK, 1 row affected (0.072 sec)
```

Query: SELECT * FROM Developers;

			influence_count		
		otwell@laravel.com		2020-06-10	
2	Ryan Dahl	ryan@nodejs.org	633632	2020-04-22	10
3	Brendan Eich	eich@javascript.com	939570	2020-05-07	8
	Evan You	you@vuejs.org	982630	2020-06-11	7
	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
	Guido van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@djangoproject.com	570724	2020-05-07	l 5 l
	Simon Willison	simon@djangoproject.com	864615	2020-04-30	4
10	James Gosling	james@java.com	719491	2020-05-18	J 5
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7
12	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

Question - 02: Change the column name "influence_count". The new name should be "followers" and the data type should be integer.

Query: ALTER TABLE Developers CHANGE COLUMN influence_count followers INT;

Question - 03: Update the number of followers of each developer by +10.

Query: UPDATE Developers SET followers = followers + 10;

Question - 04: Show the name, email, and follower number of the developers.

Query: SELECT name, email, followers FROM Developers;

Question - 05: There is a formula to find the efficiency of the developers.

Efficiency = ((followers*100/1000000) * (multipliers*100/20))/100. Show the efficiency of each developer in a column named "Efficiency" along with their name.

Query : SELECT name, ((followers * 100/1000000)*(multiplier * 100/20))/100 as Efficiency FROM Developers;