Lab Assignment 01 (CSE370)

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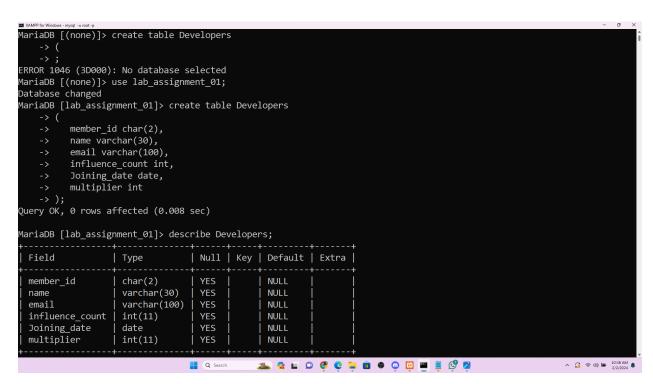
Section: 07

MySQL commands:

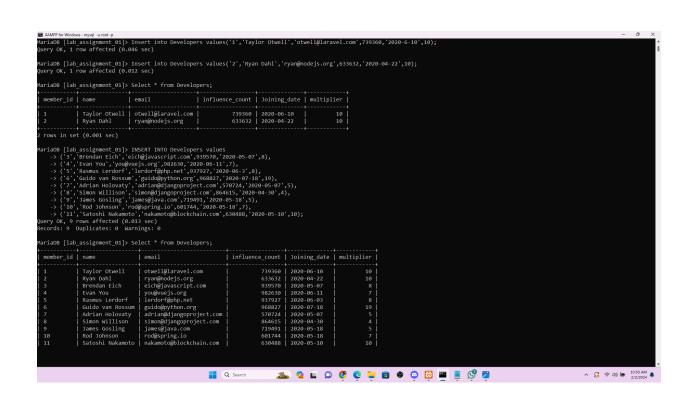
- mysql -u root -p
- _ "
- show databases;
- create database lab_assignment_01;
- use lab_assignment_01;

• Create the above table with the appropriate data type for each column.

```
create table Developers (
   member_id char(2),
   name varchar(30),
   email varchar(100),
   influence_count int,
   Joining_date date,
   multiplier int
);
```

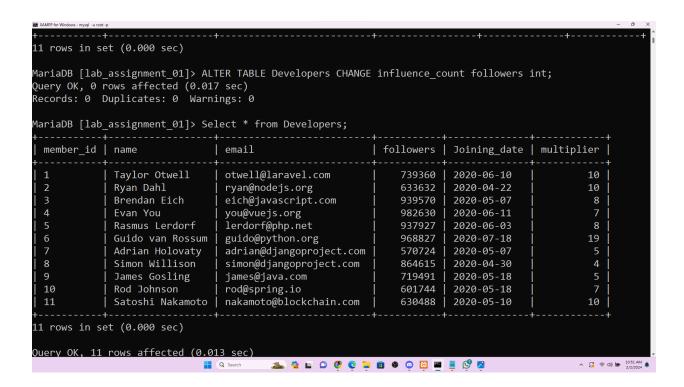


```
Insert into Developers values('1','Taylor Otwell','otwell@laravel.com',739360,'2020-6-10',10); Insert into Developers values('2','Ryan Dahl','ryan@nodejs.org',633632,'2020-04-22',10); INSERT INTO Developers values ('3','Brendan Eich','eich@javascript.com',939570,'2020-05-07',8), ('4','Evan You','you@vuejs.org',982630,'2020-06-11',7), ('5','Rasmus Lerdorf','lerdorf@php.net',937927,'2020-06-3',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), ('10','Rod Johnson','rod@spring.io',601744,'2020-05-18',7), ('11','Satoshi Nakamoto','nakamoto@blockchain.com',630488,'2020-05-10',10);
```



• Change the column name "influence_count". The new name should be "followers," and the data type should be integer.

ALTER TABLE Developers CHANGE influence_count followers int;



<u>#Task-03</u>

• Update the number of followers of each developer by +10.

Update Developers Set followers = followers + 10;

MariaDB [lab Query OK, 11 Rows matched	et (0.000 sec) _assignment_01]> Upo rows affected (0.01 : 11 Changed: 11 V		rs = follower	rs + 10;	-
member_id	name	email	followers	Joining_date	multiplier
+	Taylor Otwell Ryan Dahl Brendan Eich Evan You Rasmus Lerdorf Guido van Rossum Adrian Holovaty Simon Willison James Gosling Rod Johnson	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	739370 633642 939580 982640 937937 968837 570734 864625 719501 601754 630498	2020-06-10 2020-04-22 2020-05-07 2020-06-11 2020-06-03 2020-07-18 2020-05-07 2020-04-30 2020-05-18 2020-05-18 2020-05-10	10 10 8 7 8 19 5 4 5 7
	et (0.000 sec) rows affected (0.01	13 Sec) Q. Search 👛 😘 🗈 🗅 👰 🙋 📜	■ ● 	≅ Ø Ø	^ G

• 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.

ALTER TABLE Developers ADD Efficiency int; Update Developers Set Efficiency = ((followers*100/1000000) * (multiplier*100/20))/100;

uery OK, 11 rows affected (0.012 sec) ows matched: 11 Changed: 11 Warnings: 0										
riaDB [lab	_assignment_01]> Se:	lect * from Developers;								
member_id	name	email	followers	Joining_date	multiplier	Efficiency				
1	 Taylor Otwell	 otwell@laravel.com	+ 739370	 2020-06-10	10	+ 37				
2	Ryan Dahl	ryan@nodejs.org	633642	2020-04-22	10	32				
3	Brendan Eich	eich@javascript.com	939580	2020-05-07	8	38				
4	Evan You	you@vuejs.org	982640	2020-06-11	7	34				
5	Rasmus Lerdorf	lerdorf@php.net	937937	2020-06-03	8	38				
6	Guido van Rossum	guido@python.org	968837	2020-07-18	19	92				
7	Adrian Holovaty	adrian@djangoproject.com	570734	2020-05-07	5	14				
8	Simon Willison	simon@djangoproject.com	864625	2020-04-30	4	17				
9	James Gosling	james@java.com	719501	2020-05-18	5	18				
10	Rod Johnson	rod@spring.io	601754	2020-05-18	7	21				
11	Satoshi Nakamoto	nakamoto@blockchain.com	630498	2020-05-10	10	32				

 Show the name of the developers in UpperCase and the descending order of their Joining_date.

Select UPPER(name) as Uppercase_name, Joining_date from Developers order by joining_date desc;

Retrieve the member_ id, name, email and followers of the developers who
have either ".com" or ".net" in their email address.

Select member_id, name, email, followers from Developers where email like '%.com' or email like '%.net';

