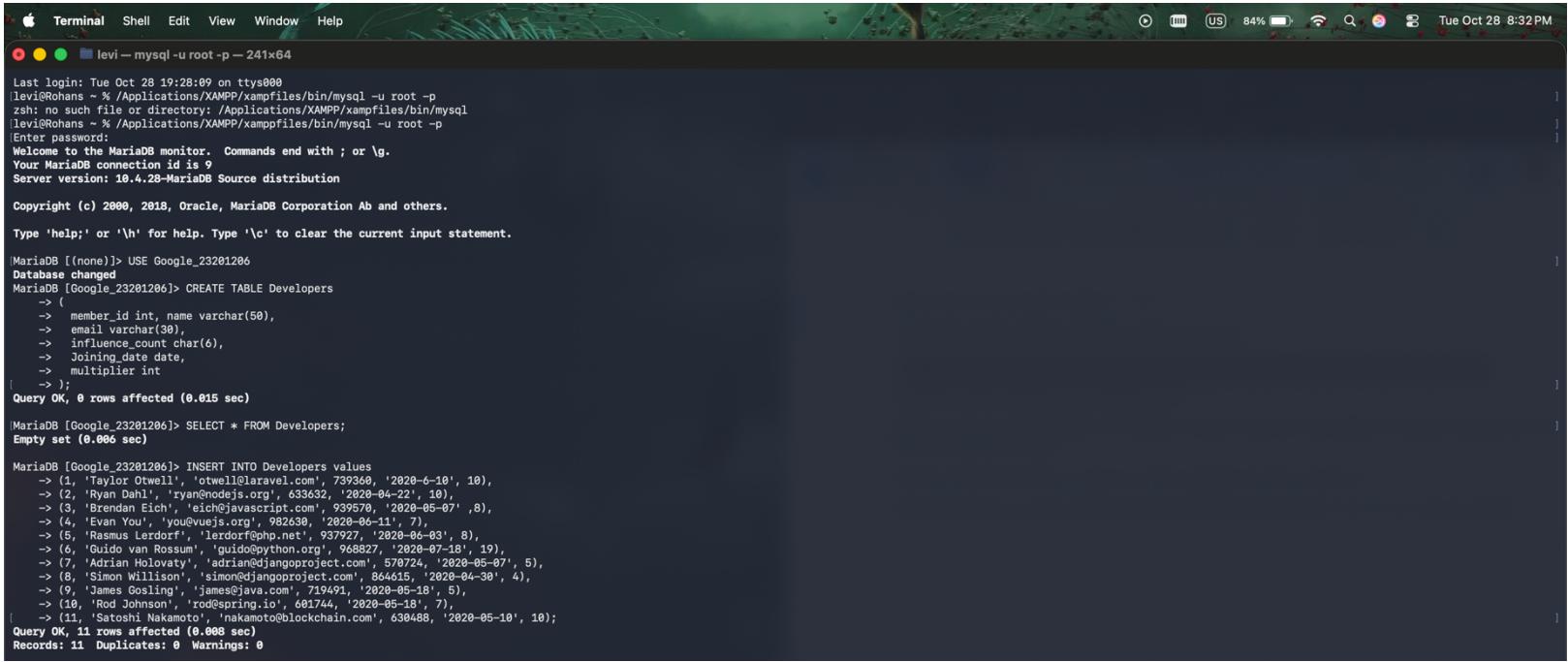
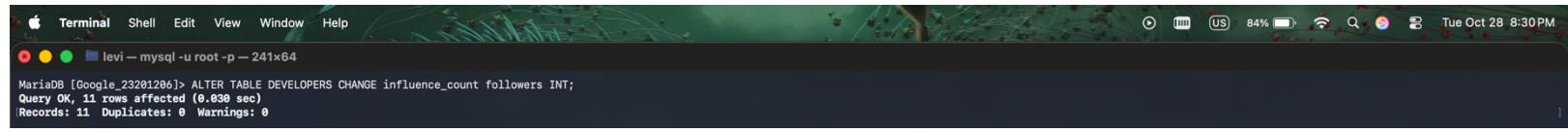
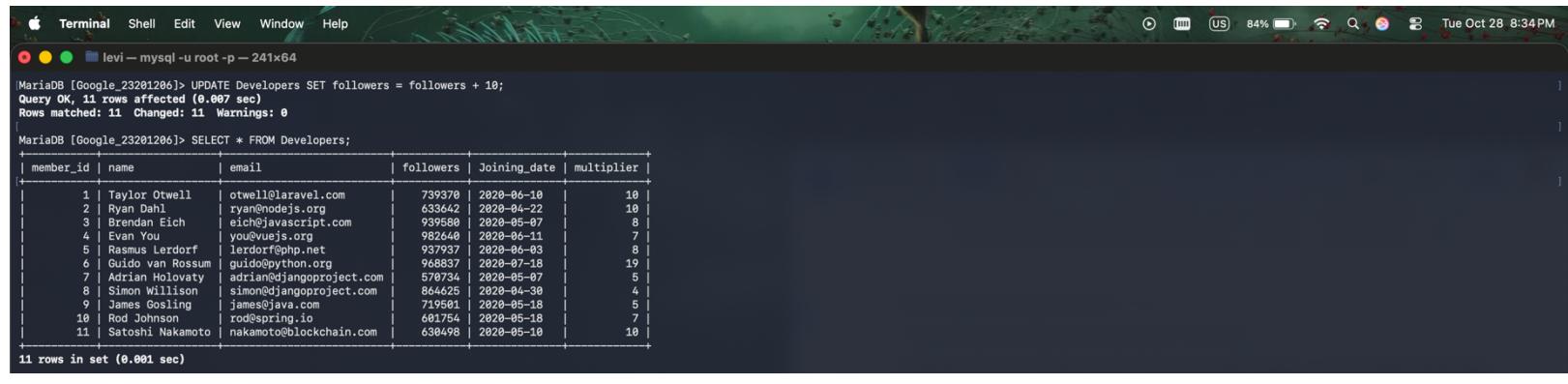


CSE370 : Database Systems

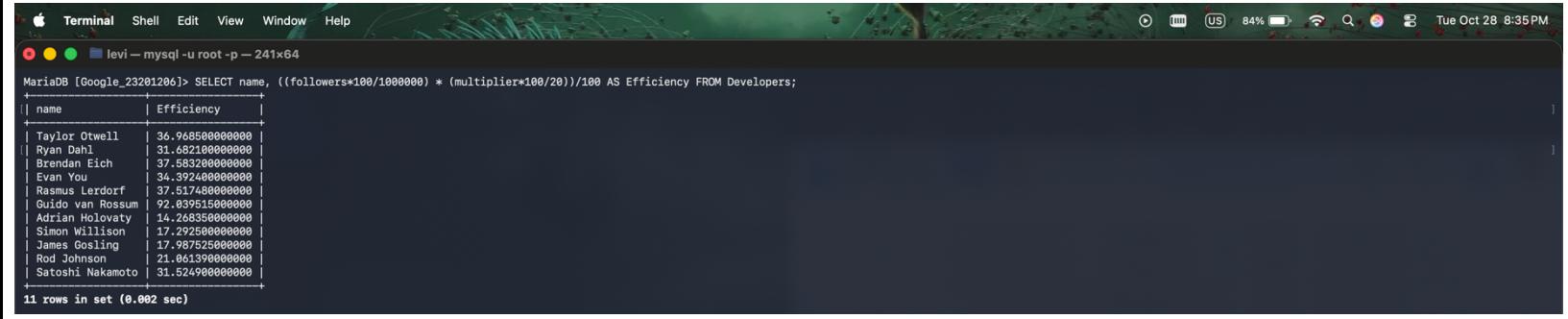
Assignment 01 | Fall 2025

ID : 23201206 | Name : Abu Musa Rohan

No 1 Query (as Plain Text)	Create the above table with the appropriate data type for each column.
No 1 SS (of Query & Output in Shell)	 <pre>Last login: Tue Oct 28 19:28:09 on ttys000 levi@Rohans ~ % /Applications/XAMPP/xampfiles/bin/mysql -u root -p zsh: no such file or directory: /Applications/XAMPP/xampfiles/bin/mysql levi@Rohans ~ % /Applications/XAMPP/xampfiles/bin/mysql -u root -p [Enter password: Welcome to the MariaDB monitor. Commands end with ; or \g. Your MariaDB connection id is 9 Server version: 10.4.28-MariaDB Source 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)]> USE Google_23201206 Database changed MariaDB [Google_23201206]> CREATE TABLE Developers -> (-> member_id int, name varchar(50), -> email varchar(30), -> influence_count char(6), -> Joining_date date, -> multiplier int ->); Query OK, 0 rows affected (0.015 sec) MariaDB [Google_23201206]> SELECT * FROM Developers; Empty set (0.006 sec) MariaDB [Google_23201206]> 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', 'rode@spring.io', 681744, '2020-05-18', 7), -> (11, 'Satoshi Nakamoto', 'nakamoto@blockchain.com', 630488, '2020-05-10', 10); Query OK, 11 rows affected (0.008 sec) Records: 11 Duplicates: 0 Warnings: 0</pre>
No 2 Query (as Plain Text)	Change the column name "influence_count". The new name should be "followers," and the data type should be integer.

No 2 SS (of Query & Output in Shell)	 <pre>MariaDB [Google_23201206]> ALTER TABLE DEVELOPERS CHANGE influence_count followers INT; Query OK, 11 rows affected (0.039 sec) Records: 11 Duplicates: 0 Warnings: 0</pre>
No 3 Query (as Plain Text)	Update the number of followers of each developer by +10.
No 3 SS (of Query & Output in Shell)	 <pre>MariaDB [Google_23201206]> UPDATE Developers SET followers = followers + 10; Query OK, 11 rows affected (0.007 sec) Rows matched: 11 Changed: 11 Warnings: 0 MariaDB [Google_23201206]> SELECT * FROM Developers; +-----+-----+-----+-----+-----+ member_id name email followers Joining_date multiplier +-----+-----+-----+-----+-----+ 1 Taylor Otwell otwell@laravel.com 739370 2028-06-10 10 2 Ryan Dahl ryan@nodejs.org 633642 2028-04-22 10 3 Brendan Eich eich@javascript.com 939588 2028-05-07 8 4 Evan You you@vuejs.org 982648 2028-06-11 7 5 Rasmus Lerdorf lerdorf@php.net 937937 2028-06-03 8 6 Guido van Rossum guido@python.org 968837 2028-07-18 19 7 Adrian Holovaty adrian@.djangoproject.com 570734 2028-05-07 5 8 Simon Willison simon@django-project.com 864625 2028-04-30 4 9 James Gosling james@java.com 719501 2028-05-18 5 10 Rod Johnson rod@spring.io 601754 2028-05-18 7 11 Satoshi Nakamoto nakamoto@blockchain.com 630498 2028-05-18 10 +-----+-----+-----+-----+-----+ 11 rows in set (0.001 sec)</pre>
No 4 Query (as Plain Text)	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.

**No 4 SS
(of Query & Output
in Shell)**



A screenshot of a macOS Terminal window. The title bar shows "Terminal" and the command "levi - mysql -u root -p - 241x64". The main pane displays a MySQL query result:

```
MariaDB [Google_23201206]> SELECT name, ((followers*100/1000000) * (multiplier*100/20))/100 AS Efficiency FROM Developers;
```

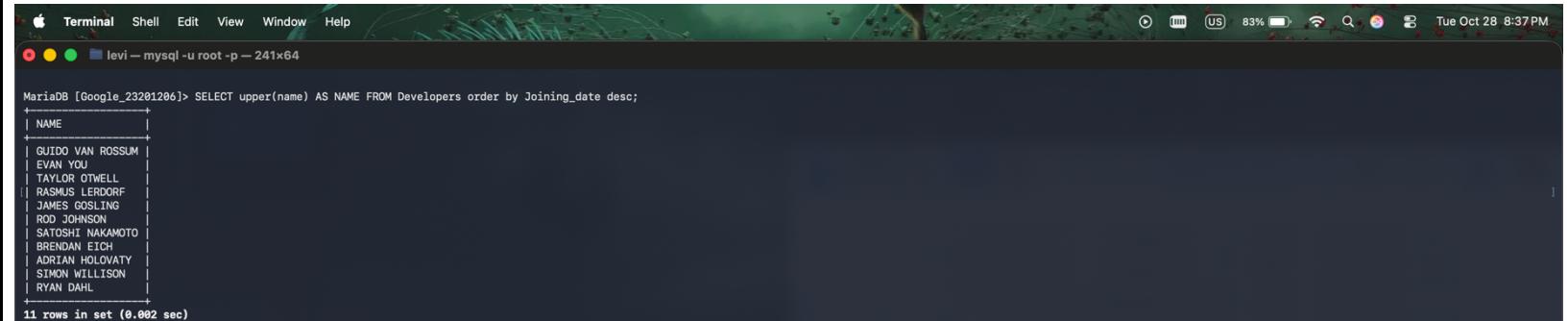
name	Efficiency
Taylor Otwell	36.96850000000000
Ryan Dahl	31.68210000000000
Brendan Eich	37.58320000000000
Evan You	34.39240000000000
Rasmus Lerdorf	37.51748000000000
Guido van Rossum	92.03951500000000
Adrian Holovaty	14.26835000000000
Simon Willison	17.29250000000000
James Gosling	17.98752500000000
Rod Johnson	21.86139000000000
Satoshi Nakamoto	31.52490000000000

11 rows in set (0.002 sec)

**No 5 Query
(as Plain Text)**

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

**No 5 SS
(of Query & Output
in Shell)**



A screenshot of a macOS Terminal window. The title bar shows "Terminal" and the command "levi - mysql -u root -p - 241x64". The main pane displays a MySQL query result:

```
MariaDB [Google_23201206]> SELECT upper(name) AS NAME FROM Developers ORDER BY Joining_date DESC;
```

NAME
GUIDO VAN ROSSUM
EVAN YOU
TAYLOR OTWELL
RASMUS LERDORF
JAMES GOSLING
ROD JOHNSON
SATOSHI NAKAMOTO
BRENDAN EICH
ADRIAN HOLOVATY
SIMON WILLISON
RYAN DAHL

11 rows in set (0.002 sec)

**No 6 Query
(as Plain Text)**

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

**No 6 SS
(of Query & Output
in Shell)**

```
MariaDB [Google_23201206]> 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 |      739378 |
|       3 | Brendan Eich | eich@javascript.com |     930588 |
|       5 | Rasmus Lerdorf | lerdorf@php.net |     937937 |
|       7 | Adrian Holovaty | adriano@django-project.com | 576734 |
|       8 | Simon Willison | simon@django-project.com | 864425 |
|       9 | James Oosling | james@java.com | 719501 |
|      11 | Satoshi Nakamoto | nakamoto@blockchain.com | 630498 |
+-----+-----+-----+-----+
7 rows in set (0.001 sec)
```

**No 7 Query
(as Plain Text)**

NO QUERIES

**No 7 SS
(of Query & Output
in Shell)**

NO SS :^)