CSE370: Database Systems

Assignment 01 | Fall 2024

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No 1 Query (as Plain Text)	CREATE DATABASE Google_20301484; USE Google_20301484;
No 1 SS (of Query & Output in Shell)	MariaDB [(none)]> CREATE DATABASE Google_20301484; Query OK, 1 row affected (0.001 sec) MariaDB [(none)]> USE Google_20301484; Database changed
No 2 Overs	CDEATE TABLE Developer
No 2 Query (as Plain Text)	CREATE TABLE Developers -> (-> member_id char(2), -> 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), -> ('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),



```
No 2 SS
(of Query & Output
in Shell)
```

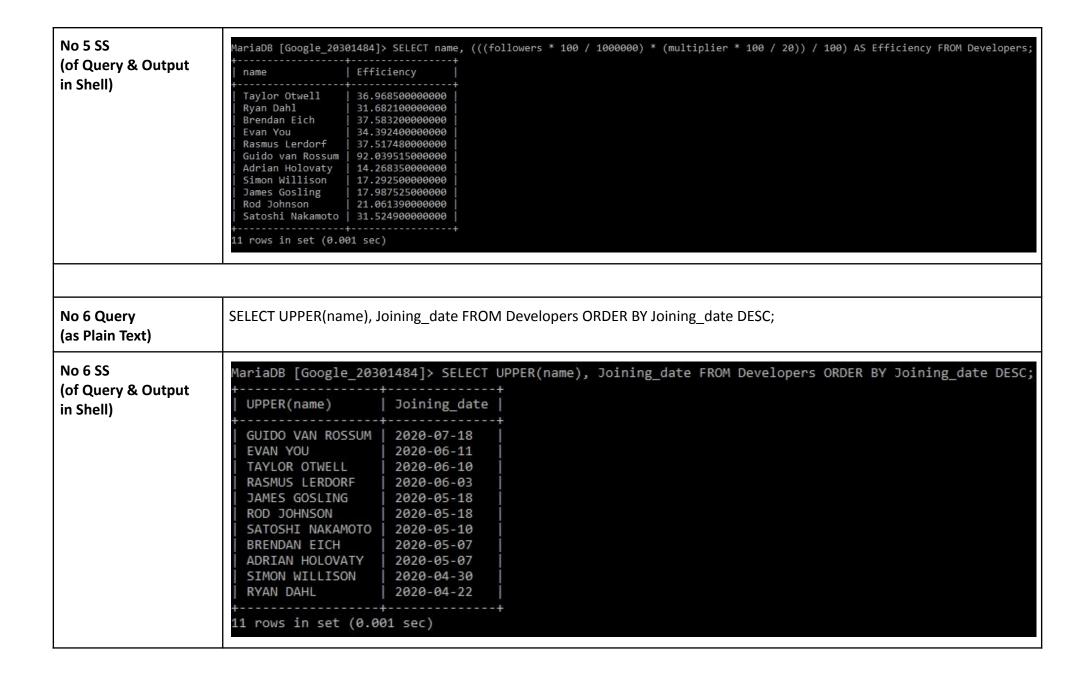
```
MariaDB [Google 20301484]> CREATE TABLE Developers
    -> member id char(2),
    -> name varchar(30),
    -> email varchar(30),
   -> influence count int,
   -> Joining date date,
   -> multiplier int
    -> );
Query OK, 0 rows affected (0.175 sec)
MariaDB [Google 20301484]> INSERT INTO Developers 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),
   -> ('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);
Query OK, 11 rows affected (0.403 sec)
Records: 11 Duplicates: 0 Warnings: 0
MariaDB [Google 20301484]> SELECT * FROM Developers;
 member id | name
                                email
                                                           influence count | Joining date | multiplier
             Taylor Otwell
                                otwell@laravel.com
                                                                    739360
                                                                             2020-06-10
                                                                                                    10
             Ryan Dahl
                                ryan@nodejs.org
                                                                    633632
                                                                             2020-04-22
                                                                                                    10
             Brendan Eich
                                eich@javascript.com
                                                                    939570
                                                                             2020-05-07
                                                                                                     8
             Evan You
                                you@vuejs.org
                                                                    982630
                                                                             2020-06-11
             Rasmus Lerdorf
                                lerdorf@php.net
                                                                    937927
                                                                             2020-06-03
                                                                                                     8
 6
             Guido van Rossum
                                guido@python.org
                                                                    968827
                                                                             2020-07-18
                                                                                                    19
             Adrian Holovaty
                                adrian@djangoproject.com
                                                                    570724
                                                                             2020-05-07
 8
             Simon Willison
                                simon@djangoproject.com
                                                                    864615
                                                                                                     4
                                                                             2020-04-30
 9
             James Gosling
                                james@java.com
                                                                    719491
                                                                             2020-05-18
             Rod Johnson
                                rod@spring.io
                                                                    601744
 10
                                                                             2020-05-18
             Satoshi Nakamoto
                                nakamoto@blockchain.com
                                                                    630488
                                                                             2020-05-10
                                                                                                    10
```

No 3 Query (as Plain Text)	ALTER TABLE Developers CHANGE COLUMN influence_count followers int;							
No 3 SS (of Query & Output in Shell)	MariaDB [Google_20301484]> ALTER TABLE Developers CHANGE COLUMN influence_count followers int; Query OK, 0 rows affected (0.371 sec) Records: 0 Duplicates: 0 Warnings: 0 MariaDB [Google 20301484]> SELECT * FROM Developers;							
	+id	name	+ email	+ followers	Joining_date	 multiplier		
	1 2 3 4 5 6 7 8 9 10 11	Taylor Otwell Ryan Dahl Brendan Eich Evan You Rasmus Lerdorf Guido van Rossum Adrian Holovaty Simon Willison James Gosling Rod Johnson Satoshi Nakamoto	adrian@djangoproject.com simon@djangoproject.com james@java.com rod@spring.io	739360 633632 939570 982630 937927 968827 570724 864615 719491 601744 630488	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	10 10 8 7 8 19 5 4 5 7		
No 4 Query	UPDATE Develo	pers SET followers = foll	lowers + 10:					

No 4 SS (of Query & Output in Shell)

```
MariaDB [Google 20301484]> UPDATE Developers SET followers = followers + 10;
Query OK, 11 rows affected (0.344 sec)
Rows matched: 11 Changed: 11 Warnings: 0
MariaDB [Google 20301484]> SELECT * FROM Developers;
 member id | name
                                email
                                                           followers | Joining date | multiplier
                                                              739370 |
             Taylor Otwell
                                otwell@laravel.com
                                                                       2020-06-10
                                                                                              10
             Ryan Dahl
                                ryan@nodejs.org
 2
                                                              633642
                                                                       2020-04-22
                                                                                              10
 3
             Brendan Eich
                                eich@javascript.com
                                                              939580
                                                                       2020-05-07
                                                                                               8
             Evan You
                                you@vuejs.org
                                                              982640
                                                                       2020-06-11
                                lerdorf@php.net
             Rasmus Lerdorf
                                                              937937
                                                                       2020-06-03
                                                                                               8
                                guido@python.org
                                                                                              19
             Guido van Rossum
                                                              968837
                                                                       2020-07-18
  7
                                adrian@djangoproject.com
                                                                                               5
             Adrian Holovaty
                                                              570734
                                                                       2020-05-07
             Simon Willison
                                simon@djangoproject.com
  8
                                                              864625
                                                                       2020-04-30
                                james@java.com
 9
             James Gosling
                                                              719501
                                                                       2020-05-18
                                rod@spring.io
             Rod Johnson
  10
                                                              601754
                                                                       2020-05-18
                                nakamoto@blockchain.com
             Satoshi Nakamoto
  11
                                                              630498
                                                                       2020-05-10
                                                                                               10
11 rows in set (0.000 sec)
```

No 5 Query (as Plain Text) SELECT name, (((followers * 100 / 1000000) * (multiplier * 100 / 20)) / 100) AS Efficiency FROM Developers;



No 7 Query (as Plain Text)	SELECT member_id, name, email, followers FROM Developers WHERE email LIKE '%.com' OR email LIKE '%.net';						
No 7 SS (of Query & Output in Shell)	-	+ name +	+	followers	elopers WHERE email LIKE '%.com' OR email LIKE		
·	1 3	Brendan Eich	otwell@laravel.com eich@javascript.com	739370 939580			
	5 7	Rasmus Lerdorf Adrian Holovaty	lerdorf@php.net adrian@djangoproject.com	937937 570734			
	8	Simon Willison	simon@djangoproject.com	864625			
	9 11	James Gosling	james@java.com nakamoto@blockchain.com	719501 630498			