

CSE370 : Database Systems

Assignment 01 | Spring 2025

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No 1 Query (as Plain Text)	<pre>create table Developers (member_id char(3), name varchar(30), email varchar(30), influence_count int, joining_date date, multiplier int(4)); 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),</pre>
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	<p>('4','Evan You','you@vuejs.org',982630,'2020-06-11',7),</p> <p>('5','Rasmus Lerdorf','lerdorf@php.net',937927,'2020-06-3',8),</p> <p>('6','Guido van Rossum','guido@python.org',968827,'2020-07-18',19),</p> <p>('7','Adrian Holovaty','adrian@django project.com',570724,'2020-05-07',5),</p> <p>('8','Simon Willison','simon@django project.com',864615,'2020-04-30',4),</p> <p>('9','James Gosling','james@java.com',719491,'2020-05-18',5),</p> <p>('10','Rod Johnson','rod@spring.io',601744,'2020-05-18',7),</p> <p>('11','Satoshi Nakamoto','nakamoto@blockchain.com',630488,'2020-05-10',10);</p>
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No 1 SS
(of Query & Output
in Shell)

```
MariaDB [(none)]> create database google_24241124;  
Query OK, 1 row affected (0.001 sec)
```

```
MariaDB [(none)]> use google_24241124;  
Database changed
```

```
MariaDB [google_24241124]> create table Developers  
-> (  
-> member_id char(3),  
-> name varchar(30),  
-> email varchar(30),  
-> influence_count int,  
-> joining_date date,  
-> multiplier int(4)  
-> );
```

```
Query OK, 0 rows affected (0.006 sec)
```

```
MariaDB [google_24241124]> 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@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','rod@spring.io',601744,'2020-05-18',7),  
-> ('11','Satoshi Nakamoto','nakamoto@blockchain.com',630488,'2020-05-10',10);
```

```
Query OK, 11 rows affected (0.041 sec)
```

```
Records: 11 Duplicates: 0 Warnings: 0
```

```
MariaDB [google_24241124]> select * from Developers;
```

member_id	name	email	influence_count	joining_date	multiplier
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	rod@spring.io	601744	2020-05-18	7
11	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

```
11 rows in set (0.001 sec)
```

No 2 Quer (as Plain Text)	alter table Developers change influence_count followers int;
No 2 SS (of Query & Output in Shell)	<pre> MariaDB [google_24241124]> alter table Developers change influence_count followers int; Query OK, 0 rows affected (0.015 sec) Records: 0 Duplicates: 0 Warnings: 0 MariaDB [google_24241124]> select * from Developers; +-----+-----+-----+-----+-----+-----+ member_id name email followers joining_date multiplier +-----+-----+-----+-----+-----+-----+ 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.org 570724 2020-05-07 5 8 Simon Willison simon@django.org 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 +-----+-----+-----+-----+-----+-----+ 11 rows in set (0.000 sec) </pre>
No 3 Query (as Plain Text)	update Developers set followers = followers + 10;

No 3 SS
(of Query & Output
in Shell)

```
MariaDB [google_24241124]> update Developers set followers = followers + 10;  
Query OK, 11 rows affected (0.010 sec)  
Rows matched: 11  Changed: 11  Warnings: 0
```

```
MariaDB [google_24241124]> select * from Developers;
```

member_id	name	email	followers	joining_date	multiplier
1	Taylor Otwell	otwell@laravel.com	739370	2020-06-10	10
2	Ryan Dahl	ryan@nodejs.org	633642	2020-04-22	10
3	Brendan Eich	eich@javascript.com	939580	2020-05-07	8
4	Evan You	you@vuejs.org	982640	2020-06-11	7
5	Rasmus Lerdorf	lerdorf@php.net	937937	2020-06-03	8
6	Guido van Rossum	guido@python.org	968837	2020-07-18	19
7	Adrian Holovaty	adrian@django project.com	570734	2020-05-07	5
8	Simon Willison	simon@django project.com	864625	2020-04-30	4
9	James Gosling	james@java.com	719501	2020-05-18	5
10	Rod Johnson	rod@spring.io	601754	2020-05-18	7
11	Satoshi Nakamoto	nakamoto@blockchain.com	630498	2020-05-10	10

```
11 rows in set (0.000 sec)
```

No 4 Query
(as Plain Text)

```
select name, ((followers*100/1000000)*(multiplier*100/20))/100 as Efficiency from Developers;
```

No 4 SS
(of Query & Output
in Shell)

```
MariaDB [google_24241124]> select name, ((followers*100/1000000)*(multiplier*100/20))/100 as Efficiency from Developers;

+-----+-----+
| name          | Efficiency |
+-----+-----+
| Taylor Otwell | 36.968500000000 |
| Ryan Dahl     | 31.682100000000 |
| Brendan Eich  | 37.583200000000 |
| Evan You      | 34.392400000000 |
| Rasmus Lerdorf | 37.517480000000 |
| Guido van Rossum | 92.039515000000 |
| Adrian Holovaty | 14.268350000000 |
| Simon Willison | 17.292500000000 |
| James Gosling  | 17.987525000000 |
| Rod Johnson    | 21.061390000000 |
| Satoshi Nakamoto | 31.524900000000 |
+-----+-----+
11 rows in set (0.000 sec)
```

No 5 Query
(as Plain Text)

```
select upper(name), joining_date from Developers order by joining_date DESC;
```

No 5 SS
(of Query & Output
in Shell)

```
MariaDB [google_24241124]> select upper(name), joining_date from Developers order by joining_date DESC;

+-----+-----+
| upper(name)    | joining_date |
+-----+-----+
| GUIDO VAN ROSSUM | 2020-07-18   |
| EVAN YOU        | 2020-06-11   |
| TAYLOR OTWELL   | 2020-06-10   |
| RASMUS LERDORF  | 2020-06-03   |
| JAMES GOSLING   | 2020-05-18   |
| ROD JOHNSON     | 2020-05-18   |
| SATOSHI NAKAMOTO | 2020-05-10   |
| BRENDAN EICH    | 2020-05-07   |
| ADRIAN HOLOVATY | 2020-05-07   |
| SIMON WILLISON  | 2020-04-30   |
| RYAN DAHL       | 2020-04-22   |
+-----+-----+
11 rows in set (0.001 sec)
```

No 6 Query (as Plain Text)	select member_id,name,email,followers from Developers where email like '%.com' or email like '%.net';
No 6 SS (of Query & Output in Shell)	<pre> MariaDB [google_24241124]> 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 739370 3 Brendan Eich eich@javascript.com 939580 5 Rasmus Lerdorf lerdorf@php.net 937937 7 Adrian Holovaty adrian@django project.com 570734 8 Simon Willison simon@django project.com 864625 9 James Gosling james@java.com 719501 11 Satoshi Nakamoto nakamoto@blockchain.com 630498 +-----+-----+-----+-----+ 7 rows in set (0.001 sec) MariaDB [google_24241124]> </pre>
No 7 Query (as Plain Text)	
No 7 SS (of Query & Output in Shell)	