

CSE370 : Database Systems

Assignment 01/02/03 | Spring 2025

ID : <8 Digit Student ID> | Name : Full Official Name

No 1 Query (as Plain Text)	create table Developers1 (member_id INT PRIMARY KEY, name VARCHAR(100), email VARCHAR(100) UNIQUE, influence_count INT, joining_date DATE, multiplier INT);
No 1 SS (of Query & Output in Shell)	<pre>MariaDB [(none)]> use Google1_22301202; Database changed MariaDB [Google1_22301202]> create table Developers1; ERROR 1113 (42000): A table must have at least 1 column MariaDB [Google1_22301202]> create table Developers1(-> member_id INT PRIMARY KEY, -> name VARCHAR(100), -> email VARCHAR(100) UNIQUE, -> influence_count INT, -> joining_date DATE, -> multiplier INT); Query OK, 0 rows affected (0.078 sec)</pre>

```
MariaDB [Google1_22301202]> ALTER TABLE Developers CHANGE influence_count followers INT;  
Query OK, 0 rows affected (0.013 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [Google1_22301202]> select * from Developers1;
```

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@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

```
11 rows in set (0.005 sec)
```

**No 2 Query
(as Plain Text)**

```
ALTER TABLE Developers1 CHANGE influence_count followers INT;
```

No 2 SS
(of Query & Output
in Shell)

```
MariaDB [Google1_22301202]> ALTER TABLE Developers1 CHANGE influence_count fol  
lowers INT;  
Query OK, 0 rows affected (0.007 sec)  
Records: 0 Duplicates: 0 Warnings: 0
```

```
MariaDB [Google1_22301202]> select * from Developers1;
```

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 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 3 Query
(as Plain Text)

```
UPDATE Developers1 SET followers = followers + 10;
```

No 3 SS
(of Query & Output
in Shell)

```
MariaDB [Google1_22301202]> UPDATE Developers1 SET followers = followers + 10;
```

```
Query OK, 11 rows affected (0.003 sec)  
Rows matched: 11  Changed: 11  Warnings: 0
```

```
MariaDB [Google1_22301202]> select * from Developers1;
```

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 (0.001 sec)
```

No 4 Query
(as Plain Text)

```
select  
name,  
((followers * 100 / 1000000) * (multiplier * 100/ 20)) / 100 as efficiency from Developers1;
```

No 4 SS
(of Query & Output
in Shell)

```
MariaDB [Google1_22301202]> select
    -> name,
    -> ((followers * 100 / 10000000) * (multiplier * 100 / 20)) / 100 as effic
iency from Developers1;
+-----+-----+
| name          | efficiency |
+-----+-----+
| Taylor Otwell | 3.696850000000 |
| Ryan Dahl     | 3.168210000000 |
| Brendan Eich  | 3.758320000000 |
| Evan You      | 3.439240000000 |
| Rasmus Lerdorf | 3.751748000000 |
| Guido van Rossum | 9.203951500000 |
| Adrian Holovaty | 1.426835000000 |
| Simon Willison | 1.729250000000 |
| James Gosling  | 1.798752500000 |
| Rod Johnson    | 2.106139000000 |
| Satoshi Nakamoto | 3.152490000000 |
+-----+-----+
11 rows in set (0.004 sec)
```

No 5 Query
(as Plain Text)

```
SELECT UPPER(name) AS Developers_Name, joining_date
FROM Developers1
ORDER BY joining_date DESC;
```

No 5 SS
(of Query & Output
in Shell)

```
MariaDB [Google1_22301202]> SELECT UPPER(name) AS Developer_Name, joining_date
-> FROM Developers1
-> ORDER BY joining_date DESC;
+-----+-----+
| Developer_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 (0.007 sec)
```

No 6 Query
(as Plain Text)

```
SELECT member_id, name, email, followers
FROM Developers1
WHERE email LIKE '%.com' OR email LIKE '%.net';
```

No 6 SS
(of Query & Output
in Shell)

```
MariaDB [Google1_22301202]> SELECT member_id, name, email, followers  
-> FROM Developers1  
-> 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 (0.002 sec)
```

No 7 Query
(as Plain Text)

No 7 SS
(of Query & Output
in Shell)