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Section - 07

LAB HomeWork 01

1)

create table developers

```
-> (  
-> member_id int,  
-> name varchar(30),  
-> email varchar(30),  
-> influence_count char(6),  
-> joining_date date,  
-> multiplier int  
-> );
```

```
MariaDB [lab_homework_01]> create table developers
```

```
[ -> (  
[ -> member_id int,  
[ -> name varchar(30),  
[ -> email varchar(30),  
[ -> influence_count char(6),  
[ -> joining_date date,  
[ -> multiplier int  
[ -> );
```

```
Query OK, 0 rows affected (0.016 sec)
```

```
[MariaDB [lab_homework_01]> describe developers;
```

Field	Type	Null	Key	Default	Extra
member_id	int(11)	YES		NULL	
name	varchar(30)	YES		NULL	
email	varchar(30)	YES		NULL	
influence_count	char(6)	YES		NULL	
joining_date	date	YES		NULL	
multiplier	int(11)	YES		NULL	

```
6 rows in set (0.013 sec)
```

insert into developers (member_id, name, email, influence_count, joining_date, multiplier) values (1, 'Taylor Otwell', 'otwell@laravel.com', '739360', '2020-06-10', 10);

```
MariaDB [lab_homework_01]> insert into developers (member_id, name, email, influence_count, joining_date, multiplier) values (1, 'Taylor Otwell', 'otwell@laravel.com', '739360', '2020-06-10', 10);
Query OK, 1 row affected (0.092 sec)

MariaDB [lab_homework_01]> select * from developers;
+-----+-----+-----+-----+-----+-----+
| member_id | name       | email           | influence_count | joining_date | multiplier |
+-----+-----+-----+-----+-----+-----+
| 1         | Taylor Otwell | otwell@laravel.com | 739360         | 2020-06-10  | 10         |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.003 sec)
```

insert into developers values

-> (2, 'Ryan Dahl', 'ryan@nodejs.org', '633632', '2020-04-22', 10)
-> ;

```
MariaDB [lab_homework_01]> insert into developers values
-> (2, 'Ryan Dahl', 'ryan@nodejs.org', '633632', '2020-04-22', 10)
-> ;
Query OK, 1 row affected (0.050 sec)

MariaDB [lab_homework_01]> 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         |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.002 sec)
```

insert into developers values

-> (3, 'Brendan Eich', 'eich@javascript.com', '939570', '2020-05-07', 8),
-> (5, 'Evan You', 'you@vuejs.org', '982630', '2020-06-11', 7),
-> (6, 'Rasmus Lerdorf', 'lerdorf@php.net', '937927', '2020-06-3', 8),
-> (7, 'Guido Van Rossum', 'guido@python.org', '968827', '2020-07-18', 19),
-> (8, 'Adrian Holovaty', 'adrian@django project.com', '570724', '2020-05-07', 5),
-> (9, 'Simon Willison', 'simon@django project.com', '864615', '2020-04-30', 4)
->;

```

MariaDB [lab_homework_01]> insert into developers values
-> (3, 'Brendan Eich', 'eich@javascript.com', '939570', '2020-05-07', 8),
-> (5, 'Evan You', 'you@vuejs.org', '982630', '2020-06-11', 7),
-> (6, 'Rasmus Lerdorf', 'lerdorf@php.net', '937927', '2020-06-03', 8),
-> (7, 'Guido Van Rossum', 'guido@python.org', '968827', '2020-07-18', 19),
-> (8, 'Adrian Holovaty', 'adrian@django project.com', '570724', '2020-05-07', 5),
-> (9, 'Simon Willison', 'simon@django project.com', '864615', '2020-04-30', 4)
-> ;
Query OK, 6 rows affected (0.024 sec)
Records: 6 Duplicates: 0 Warnings: 0

```

```

MariaDB [lab_homework_01]> 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
5	Evan You	you@vuejs.org	982630	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
7	Guido Van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@django project.com	570724	2020-05-07	5
9	Simon Willison	simon@django project.com	864615	2020-04-30	4

```

8 rows in set (0.009 sec)

```

insert into developers values

```

-> (10, 'James Gosling', 'james@java.com', '719491', '2020-05-18', 5),
-> (11, 'Rod Johnson', 'rod@spring.io', '601744', '2020-05-18', 7)

```

```

MariaDB [lab_homework_01]> insert into developers values
-> (10, 'James Gosling', 'james@java.com', '719491', '2020-05-18', 5),
-> (11, 'Rod Johnson', 'rod@spring.io', '601744', '2020-05-18', 7)
-> ;
Query OK, 2 rows affected (0.030 sec)
Records: 2 Duplicates: 0 Warnings: 0

```

```

MariaDB [lab_homework_01]> 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
5	Evan You	you@vuejs.org	982630	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
7	Guido Van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@django project.com	570724	2020-05-07	5
9	Simon Willison	simon@django project.com	864615	2020-04-30	4
10	James Gosling	james@java.com	719491	2020-05-18	5
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7

```

10 rows in set (0.012 sec)

```

insert into developers values

-> (12, 'Satoshi Nakamoto', 'nakamoto@blockchain.com', '630488', '2020_05-10', 10)

-> ;

MariaDB [lab_homework_01]> insert into developers values

-> (12, 'Satoshi Nakamoto', 'nakamoto@blockchain.com', '630488', '2020_05-10', 10)

-> ;

Query OK, 1 row affected (0.012 sec)

MariaDB [lab_homework_01]> 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
5	Evan You	you@vuejs.org	982630	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
7	Guido Van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@django project.com	570724	2020-05-07	5
9	Simon Willison	simon@django project.com	864615	2020-04-30	4
10	James Gosling	james@java.com	719491	2020-05-18	5
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7
12	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

11 rows in set (0.000 sec)

2)alter table developers change influence_count followers int;

```
MariaDB [lab_homework_01]> alter table developers change influence_count followers int;
Query OK, 11 rows affected (0.064 sec)
Records: 11  Duplicates: 0  Warnings: 0
```

```
MariaDB [lab_homework_01]> describe developers;
```

Field	Type	Null	Key	Default	Extra
member_id	int(11)	YES		NULL	
name	varchar(30)	YES		NULL	
email	varchar(30)	YES		NULL	
followers	int(11)	YES		NULL	
joining_date	date	YES		NULL	
multiplier	int(11)	YES		NULL	

```
6 rows in set (0.006 sec)
```

```
MariaDB [lab_homework_01]> 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
5	Evan You	you@vuejs.org	982630	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937927	2020-06-03	8
7	Guido Van Rossum	guido@python.org	968827	2020-07-18	19
8	Adrian Holovaty	adrian@django project.com	570724	2020-05-07	5
9	Simon Willison	simon@django project.com	864615	2020-04-30	4
10	James Gosling	james@java.com	719491	2020-05-18	5
11	Rod Johnson	rod@spring.io	601744	2020-05-18	7
12	Satoshi Nakamoto	nakamoto@blockchain.com	630488	2020-05-10	10

```
11 rows in set (0.002 sec)
```

3)select member_id, name, email, joining_date, multiplier, followers+10 from developers;

```
MariaDB [lab_homework_01]> select member_id, name, email, joining_date, multiplier, followers+10 from developers;
```

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

```
11 rows in set (0.002 sec)
```

4)select name, email, followers from developers;

```
MariaDB [lab_homework_01]> select name, email, followers from developers;
```

name	email	followers
Taylor Otwell	otwell@laravel.com	739360
Ryan Dahl	ryan@nodejs.org	633632
Brendan Eich	eich@javascript.com	939570
Evan You	you@vuejs.org	982630
Rasmus Lerdorf	lerdorf@php.net	937927
Guido Van Rossum	guido@python.org	968827
Adrian Holovaty	adrian@djangoproject.com	570724
Simon Willison	simon@djangoproject.com	864615
James Gosling	james@java.com	719491
Rod Johnson	rod@spring.io	601744
Satoshi Nakamoto	nakamoto@blockchain.com	630488

```
11 rows in set (0.009 sec)
```

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

```
MariaDB [lab_homework_01]> select name, (((followers*100/1000000) * (multiplier*100/20))/100 as efficiency from developers;
```

name	efficiency
Taylor Otwell	36.968000000000
Ryan Dahl	31.681600000000
Brendan Eich	37.582800000000
Evan You	34.392050000000
Rasmus Lerdorf	37.517080000000
Guido Van Rossum	92.038565000000
Adrian Holovaty	14.268100000000
Simon Willison	17.292300000000
James Gosling	17.987275000000
Rod Johnson	21.061040000000
Satoshi Nakamoto	31.524400000000

11 rows in set (0.008 sec)