

Answer No. 1:

```
create database Ridwanul_Islam;
use Ridwanul_Islam;
create table Developers(member_id int, name varchar(20), email varchar(30), influence_count int,
Joining_date date, multiplier int);
Insert into Developers(member_id,name,email,influence_count,Joining_date,multiplier) 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), (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@djangooproject.com',570724,'2020-05-07',5), (9,'Simon
Willison','simon@djangooproject.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);
Select * from Developers;
```

```
MariaDB [(none)]> create database Ridwanul_Islam;
Query OK, 1 row affected (2.039 sec)

MariaDB [(none)]> use Ridwanul_Islam;
Database changed
MariaDB [Ridwanul_Islam]> create table Developers(member_id int, name varchar(20), email varchar(30), influence_count int, Joining_date date, multiplier int);
Query OK, 0 rows affected (0.561 sec)

MariaDB [Ridwanul_Islam]> Insert into Developers(member_id,name,email,influence_count,Joining_date,multiplier) 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), (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@djangooproject.com',570724,'2020-05-07',5), (9,'Simon Willison','simon@djangooproject.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);
Query OK, 11 rows affected (0.129 sec)
Records: 11 Duplicates: 0 Warnings: 0

MariaDB [Ridwanul_Islam]> 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@djangooproject.com | 570724          | 2020-05-07   | 5          |
| 9 | Simon Willison | simon@djangooproject.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 (0.001 sec)
```

Answer No. 2:

```
Alter table Developers change influence_count followers int;
Select * from Developers;
```

```
MariaDB [Ridwanul_Islam]> Alter table Developers change influence_count followers int;
Query OK, 0 rows affected (2.289 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [Ridwanul_Islam]> 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@djangooproject.com | 570724    | 2020-05-07   | 5          |
| 9 | Simon Willison | simon@djangooproject.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 (0.027 sec)
```

Answer No. 3:

Update Developers set followers=followers+10;

Select * from Developers;

```
MariaDB [Ridwanul_Islam]> Update Developers set followers=followers+10;
Query OK, 11 rows affected (2.237 sec)
Rows matched: 11  Changed: 11  Warnings: 0
```

```
MariaDB [Ridwanul_Islam]> 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
5	Evan You	you@vuejs.org	982640	2020-06-11	7
6	Rasmus Lerdorf	lerdorf@php.net	937937	2020-06-03	8
7	Guido van Rossum	guido@python.org	968837	2020-07-18	19
8	Adrian Holovaty	adrian@djangoproject.com	570734	2020-05-07	5
9	Simon Willison	simon@djangoproject.com	864625	2020-04-30	4
10	James Gosling	james@java.com	719501	2020-05-18	5
11	Rod Johnson	rod@spring.io	601754	2020-05-18	7
12	Satoshi Nakamoto	nakamoto@blockchain.com	630498	2020-05-10	10

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

Answer No. 4:

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

```
MariaDB [Ridwanul_Islam]> 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)
```

Answer No. 5:

Select name,email from Developers order by followers desc limit 5;

```
MariaDB [Ridwanul_Islam]> Select name,email from Developers order by followers desc limit 5;
```

name	email
Evan You	you@vuejs.org
Guido van Rossum	guido@python.org
Brendan Eich	eich@javascript.com
Rasmus Lerdorf	lerdorf@php.net
Simon Willison	simon@djangoproject.com

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

Answer No. 6:

Select name from Developers where followers<700000 and multiplier=(Select Max(multiplier) from Developers where followers<700000);

```
MariaDB [Ridwanul_Islam]> Select name from Developers where followers<700000 and multiplier=(Select Max(multiplier) from Developers where followers<700000);
+-----+
| name |
+-----+
| Ryan Dahl |
| Satoshi Nakamoto |
+-----+
2 rows in set (0.000 sec)
```

Answer No. 7:

Select avg(followers) from Developers where Joining_date<'2020-06-11';

```
MariaDB [Ridwanul_Islam]> Select avg(followers) from Developers where Joining_date<'2020-06-11';
+-----+
| avg(followers) |
+-----+
| 737515.6667 |
+-----+
1 row in set (0.001 sec)
```

Answer No. 8:

Select member_id,name,email,followers from Developers where email like'%.com' or email like'%.net';

```
MariaDB [Ridwanul_Islam]> 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 |
| 6 | Rasmus Lerdorf | lerdorf@php.net | 937937 |
| 8 | Adrian Holovaty | adrian@django project.com | 570734 |
| 9 | Simon Willison | simon@django project.com | 864625 |
| 10 | James Gosling | james@java.com | 719501 |
| 12 | Satoshi Nakamoto | nakamoto@blockchain.com | 630498 |
+-----+-----+-----+-----+
7 rows in set (0.000 sec)
```