

Solve:-

1.

```
MariaDB [(none)]> create database CSE370_Assignment01;  
Query OK, 1 row affected (0.004 sec)
```

create database CSE370_Assignment01;

2.

```
MariaDB [(none)]> use CSE370_Assignment01;  
Database changed
```

use CSE370_Assignment01;

3.

```
MariaDB [cse370_assignment01]> create table developers(member_id int,name varchar(40),email varchar(50),influence_count int,joining_date date,multiplier int);  
Query OK, 0 rows affected (0.025 sec)
```

create table developers(member_id int,name varchar(40),email varchar(50),influence_count int,joining_date date,multiplier int);

4.

```
MariaDB [cse370_assignment01]> describe developers;  
+-----+-----+-----+-----+-----+-----+  
| Field | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| member_id | int(11) | YES | | NULL | |  
| name | varchar(40) | YES | | NULL | |  
| email | varchar(50) | YES | | NULL | |  
| influence_count | int(11) | YES | | NULL | |  
| joining_date | date | YES | | NULL | |  
| multiplier | int(11) | YES | | NULL | |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.012 sec)
```

describe developers;

5.

```
MariaDB [cse370_assignment01]> 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 (0.003 sec)  
Records: 11 Duplicates: 0 Warnings: 0
```

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);
```

6.

```
MariaDB [cse370_assignment01]> 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@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 (0.000 sec)
```

```
select *from developers;
```

7.

```
MariaDB [cse370_assignment01]> Alter table developers change influence_count followers int;
Query OK, 0 rows affected (0.008 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
Alter table developers change influence_count followers int;
```

8.

```
MariaDB [cse370_assignment01]> describe developers;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| member_id  | int(11)       | YES  |     | NULL    |       |
| name       | varchar(40)   | YES  |     | NULL    |       |
| email      | varchar(50)   | YES  |     | NULL    |       |
| followers  | int(11)       | YES  |     | NULL    |       |
| joining_date | date          | YES  |     | NULL    |       |
| multiplier | int(11)       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.014 sec)
```

```
describe developers;
```

9.

```
MariaDB [cse370_assignment01]> 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 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 (0.000 sec)
```

select *from developers;

10.

```
MariaDB [CSE370_Assignment01]> update developers set followers=followers+10;
Query OK, 11 rows affected (0.002 sec)
Rows matched: 11  Changed: 11  Warnings: 0
```

update developers set followers=followers+10;

11.

```
MariaDB [CSE370_Assignment01]> 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)
```

select *from developers;

12.

```
MariaDB [CSE370_Assignment01]> select name,((followers*100/1000000)*(multiplier*100/20))/1000 as Efficiency from developers;
+-----+-----+
| 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 (0.001 sec)
```

select name,((followers*100/1000000)*(multiplier*100/20))/1000 as Efficiency from developers;

13.

```
MariaDB [CSE370_Assignment01]> select name,((followers*100/1000000)*(multiplier*100/20))/1000 as Efficiency from developers;
+-----+-----+
| 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 (0.001 sec)
```

select UPPER(name),joining_date from developers order by joining_date DESC;

14.

```
MariaDB [CSE370_Assignment01]> select name,((followers*100/1000000)*(multiplier*100/20))/1000 as Efficiency from developers;
+-----+-----+
| 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 (0.001 sec)
```

select *from developers where email like '%.com' or email Like '%.net';

Data insertion:-

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);
```

```
select a.branch_name,account_number,balance from branch b inner join account a on
b.branch_name=a.branch_name where balance=(select max(balance) from account a1 inner join branch b1 on
a1.branch_name=b1.branch_name where b.branch_city=b1.branch_city);
```