Task 1: Create the above table with the appropriate data type for each column.

Query: create table Devolopers (
   -> member_id int,
   -> name varchar(30),
   -> email varchar(35),
   -> influence_count int,
   -> joining_date date,
   -> multiplier int,
   ->);

```
MariaDB [shuvashis]> create table Devolopers (
    -> member_id int,
    -> name varchar(30),
    -> email varchar(35),
    -> influence_count int,
    -> joining_date date,
    -> multiplier int
    -> );
Query OK, 0 rows affected (0.014 sec)
```

Query: alter table devolopers rename to developers;

```
MariaDB [shuvashis]> alter table devolopers rename to developers;
Query OK, 0 rows affected (0.015 sec)
```

Query: describe developers;

```
MariaDB [shuvashis]> describe developers;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| member_id       | int(11)     | YES  |     | NULL    |       |
| name            | varchar(30) | YES  |     | NULL    |       |
| email           | varchar(35) | YES  |     | NULL    |       |
| influence_count | int(11)     | YES  |     | NULL    |       |
| joining_date    | date        | YES  |     | NULL    |       |
| multiplier      | int(11)     | YES  |     | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
6 rows in set (0.017 sec)
```

Queries: 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', 'erdorf@php.net', 937927, '2020-06-3', 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);

```
MariaDB [shuvashis]> 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', 'erdorf@php.net', 937927, '2020-06-3', 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);
Query OK, 11 rows affected (0.002 sec)
Records: 11  Duplicates: 0  Warnings: 0
```

Queries: select * from developers;

```
MariaDB [shuvashis]> 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   | erdorf@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)
```

Task 2: Change the column name "influence_count". The new name should be "followers," and the data type should be integer.

Query: alter table developers change column influence_count followers int;

```
MariaDB [shuvashis]> alter table developers change column influence_count followers int;
Query OK, 0 rows affected (0.010 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [shuvashis]> 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  | erdorf@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 (0.001 sec)
```

Task 3: Update the number of followers of each developer by +10.

Query: update developers set followers = followers + 10;

```
MariaDB [shuvashis]> update developers set followers = followers + 10;
Query OK, 11 rows affected (0.007 sec)
Rows matched: 11  Changed: 11  Warnings: 0

MariaDB [shuvashis]> 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  | erdorf@php.net             |    937937 | 2020-06-03   |          8 |
|         6 | Guido van Rossum| guido@python.org           |    968837 | 2020-07-18   |         19 |
|         7 | Adrian Holovaty | adrian@djangoproject.com   |    570734 | 2020-05-07   |          5 |
|         8 | Simon Willison  | simon@djangoproject.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)
```

Task 4: There is a formula to find the efficiency of the developers. Efficiency = ((followers*100/1000000) * (multipliers*100/20))/100. Show the efficiency of each developer in a column named "Efficiency" along with their name.

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

```
MariaDB [shuvashis]> 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 (0.001 sec)
```

Task 5: Show the name of the developers in UpperCase and the descending order of their Joining_date.

Query: select upper(name), joining_date from developers order by joining_date desc;

```
MariaDB [shuvashis]> 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   |
+------------------+--------------+
```

Task 6: Retrieve the member_ id, name, email, and followers of the developers who have either ".com" or ".net" in their email address.

Query: select member_id, name, email, followers from developers where email like '%.com%' or email like '%.net%';

```
MariaDB [shuvashis]> 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   | erdorf@php.net          |    937937 |
|         7 | Adrian Holovaty  | adrian@djangoproject.com |   570734 |
|         8 | Simon Willison   | simon@djangoproject.com |    864625 |
|         9 | James Gosling    | james@java.com          |    719501 |
|        11 | Satoshi Nakamoto | nakamoto@blockchain.com |    630498 |
+-----------+------------------+-------------------------+-----------+
7 rows in set (0.001 sec)
```