```
[mysql> CREATE DATABASE CSE370_Assignment_1;
Query OK, 1 row affected (0.01 sec)

[mysql> USE CSE370_Assignment_1;
Database changed
mysql> CREATE TABLE Developers (
    ->      member_id CHAR(4),
    ->      name VARCHAR(30),
    ->      email VARCHAR(30),
    ->      influence_count CHAR(10),
    ->      Joining_date DATE,
    ->      multiplier CHAR(2)
[   -> );
Query OK, 0 rows affected (0.02 sec)

[mysql> show tables;
+-----------------------------+
| Tables_in_cse370_assignment_1 |
+-----------------------------+
| Developers                  |
+-----------------------------+
1 row in set (0.01 sec)

[mysql> describe Developers;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| member_id       | char(4)     | YES  |     | NULL    |       |
| name            | varchar(30) | YES  |     | NULL    |       |
| email           | varchar(30) | YES  |     | NULL    |       |
| influence_count | char(10)    | YES  |     | NULL    |       |
| Joining_date    | date        | YES  |     | NULL    |       |
| multiplier      | char(2)     | YES  |     | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
6 rows in set (0.01 sec)
```

1.

```
mysql> 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@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 (0.01 sec)
Records: 11  Duplicates: 0  Warnings: 0

mysql>
mysql>
mysql> 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 (0.00 sec)
```

2. ALTER TABLE Developers
   CHANGE COLUMN influence_count followers CHAR(10);

```
mysql> ALTER TABLE Developers
    -> CHANGE COLUMN influence_count followers CHAR(10);
Query OK, 0 rows affected (0.01 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> 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@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 (0.00 sec)
```

3. UPDATE Developers
   SET followers = followers + 10;

```
[mysql> Update Developers SET followers = followers + 10;
Query OK, 11 rows affected (0.00 sec)
Rows matched: 11  Changed: 11  Warnings: 0

[mysql> 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@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 (0.00 sec)
```

4. SELECT
   name,
   ((followers * 100 / 1000000) * (multiplier * 100 / 20)) / 100 AS
Efficiency
FROM
   Developers;

```
mysql> SELECT
    ->     name,
    ->     ((followers * 100 / 1000000) * (multiplier * 100 / 20)) / 100 AS Efficiency
    -> FROM
    ->     Developers;
+------------------+--------------------+
| name             | Efficiency         |
+------------------+--------------------+
| Taylor Otwell    |            36.9685 |
| Ryan Dahl        | 31.682100000000002 |
| Brendan Eich     |            37.5832 |
| Evan You         | 34.392399999999995 |
| Rasmus Lerdorf   |           37.51748 |
| Guido van Rossum |  92.03951500000001 |
| Adrian Holovaty  |           14.26835 |
| Simon Willison   |            17.2925 |
| James Gosling    |          17.987525 |
| Rod Johnson      | 21.061390000000003 |
| Satoshi Nakamoto |            31.5249 |
+------------------+--------------------+
11 rows in set (0.00 sec)
```

5. SELECT
   UPPER(name) AS Uppercase_Name,

    Joining_date
FROM
    Developers
ORDER BY
    Joining_date DESC;

```
mysql> SELECT
    ->        UPPER(name) AS Uppercase_Name,
    ->        Joining_date
    -> FROM
    ->        Developers
    -> ORDER BY
    ->        Joining_date DESC;
+--------------------+--------------+
| Uppercase_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 (0.00 sec)
```

6. SELECT
    member_id,

```
    name,
    email,
    followers
FROM
    Developers
WHERE
    email LIKE '%.com%' OR email LIKE '%.net%';
```

```
mysql> 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   | lerdorf@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 (0.01 sec)
```