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

mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| University         |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.00 sec)

mysql> USE University;
Database changed
mysql> SHOW TABLES;
Empty set (0.00 sec)

mysql> CREATE TABLE Students( id INT NOT NULL AUTO_INCREMENT PRIMARY KEY, name VARCHAR(50) NOT NULL, course INT NOT N
ULL, GPA DECIMAL(3,2) );
Query OK, 0 rows affected (0.02 sec)

mysql> SHOW TABLED
    -> ^C
mysql> SHOW TABLES;
+----------------------+
| Tables_in_University |
+----------------------+
| Students             |
+----------------------+
1 row in set (0.00 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Maxym","2","4.25");
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Andew","3","4.75");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Roma","2","3.87");
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Yaroslav","2","4.15");
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Mikhailo","4","4.64");
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM Students;
+----+----------+--------+------+
| id | name     | course | GPA  |
+----+----------+--------+------+
|  1 | Maxym    |      2 | 4.25 |
|  2 | Andew    |      3 | 4.75 |
|  3 | Roma     |      2 | 3.87 |
|  4 | Yaroslav |      2 | 4.15 |
|  5 | Mikhailo |      4 | 4.64 |
+----+----------+--------+------+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM Students WHERE course=2;
+----+----------+--------+------+
| id | name     | course | GPA  |
+----+----------+--------+------+
|  1 | Maxym    |      2 | 4.25 |
|  3 | Roma     |      2 | 3.87 |
|  4 | Yaroslav |      2 | 4.15 |
+----+----------+--------+------+
3 rows in set (0.00 sec)

mysql> UPDATE Students SET GPA = GPA + 0.5 WHERE GPA < 4.51;
Query OK, 3 rows affected (0.01 sec)
Rows matched: 3  Changed: 3  Warnings: 0

mysql> SELECT * FROM Students;
+----+----------+--------+------+
| id | name     | course | GPA  |
+----+----------+--------+------+
|  1 | Maxym    |      2 | 4.75 |
|  2 | Andew    |      3 | 4.75 |
|  3 | Roma     |      2 | 4.37 |
|  4 | Yaroslav |      2 | 4.65 |
|  5 | Mikhailo |      4 | 4.64 |
+----+----------+--------+------+
5 rows in set (0.00 sec)

mysql> UPDATE Students SET GPA = GPA + 0.25 WHERE id = 2;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM Students;
+----+----------+--------+------+
| id | name     | course | GPA  |
+----+----------+--------+------+
|  1 | Maxym    |      2 | 4.75 |
|  2 | Andew    |      3 | 5.00 |
|  3 | Roma     |      2 | 4.37 |
|  4 | Yaroslav |      2 | 4.65 |
|  5 | Mikhailo |      4 | 4.64 |
+----+----------+--------+------+
5 rows in set (0.00 sec)

mysql> UPDATE Students SET GPA = 5 WHERE id = 5;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM Students;
+----+----------+--------+------+
| id | name     | course | GPA  |
+----+----------+--------+------+
|  1 | Maxym    |      2 | 4.75 |
|  2 | Andew    |      3 | 5.00 |
|  3 | Roma     |      2 | 4.37 |
|  4 | Yaroslav |      2 | 4.65 |
|  5 | Mikhailo |      4 | 5.00 |
+----+----------+--------+------+
5 rows in set (0.00 sec)
```

```
mysql> UPDATE Students SET name = 'Ivan Petrov' WHERE id = 2;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM Students;
+----+-------------+--------+------+
| id | name        | course | GPA  |
+----+-------------+--------+------+
|  1 | Maxym       |      2 | 4.75 |
|  2 | Ivan Petrov |      3 | 5.00 |
|  3 | Roma        |      2 | 4.37 |
|  4 | Yaroslav    |      2 | 4.65 |
|  5 | Mikhailo    |      4 | 5.00 |
+----+-------------+--------+------+
5 rows in set (0.00 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Roma","1","2.54");
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Vadym","3","2.89");
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM Students;
+----+-------------+--------+------+
| id | name        | course | GPA  |
+----+-------------+--------+------+
|  1 | Maxym       |      2 | 4.75 |
|  2 | Ivan Petrov |      3 | 5.00 |
|  3 | Roma        |      2 | 4.37 |
|  4 | Yaroslav    |      2 | 4.65 |
|  5 | Mikhailo    |      4 | 5.00 |
|  6 | Roma        |      1 | 2.54 |
|  7 | Vadym       |      3 | 2.89 |
+----+-------------+--------+------+
7 rows in set (0.00 sec)

mysql> BEGIN;
Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM Students WHERE GPA < 3;
Query OK, 2 rows affected (0.00 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES("Oleksiy Kovalenko","1","4.20");
Query OK, 1 row affected (0.00 sec)

mysql> COMMIT;
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT * FROM Stunents;
ERROR 1146 (42S02): Table 'University.Stunents' doesn't exist
mysql> SELECT * FROM Students;
+----+-------------------+--------+------+
| id | name              | course | GPA  |
+----+-------------------+--------+------+
|  1 | Maxym             |      2 | 4.75 |
|  2 | Ivan Petrov       |      3 | 5.00 |
|  3 | Roma              |      2 | 4.37 |
|  4 | Yaroslav          |      2 | 4.65 |
|  5 | Mikhailo          |      4 | 5.00 |
| 12 | Oleksiy Kovalenko |      1 | 4.20 |
+----+-------------------+--------+------+
6 rows in set (0.00 sec)
```

```
mysql> UPDATE Students SET id = 6 WHERE name = "Oleksiy Kovalenko";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM Students;
+----+-------------------+--------+------+
| id | name              | course | GPA  |
+----+-------------------+--------+------+
|  1 | Maxym             |      2 | 4.75 |
|  2 | Ivan Petrov       |      3 | 5.00 |
|  3 | Roma              |      2 | 4.37 |
|  4 | Yaroslav          |      2 | 4.65 |
|  5 | Mikhailo          |      4 | 5.00 |
|  6 | Oleksiy Kovalenko |      1 | 4.20 |
+----+-------------------+--------+------+
6 rows in set (0.00 sec)

mysql> SELECT * FROM Students WHERE course = 1 AND GPA > 4;
+----+-------------------+--------+------+
| id | name              | course | GPA  |
+----+-------------------+--------+------+
|  6 | Oleksiy Kovalenko |      1 | 4.20 |
+----+-------------------+--------+------+
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM Students WHERE course = 1;
+----+-------------------+--------+------+
| id | name              | course | GPA  |
+----+-------------------+--------+------+
|  6 | Oleksiy Kovalenko |      1 | 4.20 |
+----+-------------------+--------+------+
1 row in set (0.00 sec)

mysql> SELECT * FROM Students WHERE course = 2;
+----+----------+--------+------+
| id | name     | course | GPA  |
+----+----------+--------+------+
|  1 | Maxym    |      2 | 4.75 |
|  3 | Roma     |      2 | 4.37 |
|  4 | Yaroslav |      2 | 4.65 |
+----+----------+--------+------+
3 rows in set (0.00 sec)

mysql> SELECT * FROM Students WHERE course = 3;
+----+-------------+--------+------+
| id | name        | course | GPA  |
+----+-------------+--------+------+
|  2 | Ivan Petrov |      3 | 5.00 |
+----+-------------+--------+------+
1 row in set (0.00 sec)

mysql> SELECT * FROM Students WHERE course = 4;
+----+----------+--------+------+
| id | name     | course | GPA  |
+----+----------+--------+------+
|  5 | Mikhailo |      4 | 5.00 |
+----+----------+--------+------+
1 row in set (0.00 sec)
```

1 курс – 1

2 курс – 3

3 курс – 1

4 курс – 1

```
mysql> DROP TABLE Students;
Query OK, 0 rows affected (0.02 sec)

mysql> SHOW TABLES;
Empty set (0.00 sec)

mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| University         |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.00 sec)

mysql> DROP DATABASE University;
Query OK, 0 rows affected (0.01 sec)

mysql> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.00 sec)
```