```
mysql> CREATE USER 'user1'@'127.0.0.1' IDENTIFIED BY 'root';
Query OK, 0 rows affected (0.04 sec)

mysql> GRANT ALL PRIVILEGES ON *.* TO 'user1'@'127.0.0.1';
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE DATABASE university;
Query OK, 1 row affected (0.02 sec)

mysql> USE university;
Database changed
mysql> CREATE TABLE students(id INT,name VARCHAR(40),course INT,average_score DECIMAL(3,2),PRIMARY K
EY(id));
Query OK, 0 rows affected (0.05 sec)

mysql> SHOW TABLES;
+----------------------+
| Tables_in_university |
+----------------------+
| students             |
+----------------------+
1 row in set (0.00 sec)
```

```
mysql> INSERT INTO students VALUES(1,'Olexandr',2,4.10);
Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO students VALUES(2,'Anastasiya_Ivanova',3,2.90);
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO students VALUES(3,'Maxym',2,3.40);
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO students VALUES(4,'Vadym',3,3.50);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO students VALUES(5,'Olegh',4,3.00);
Query OK, 1 row affected (0.02 sec)

mysql> SELECT * FROM students;
+----+--------------------+--------+---------------+
| id | name               | course | average_score |
+----+--------------------+--------+---------------+
|  1 | Olexandr           |      2 |          4.10 |
|  2 | Anastasiya_Ivanova |      3 |          2.90 |
|  3 | Maxym              |      2 |          3.40 |
|  4 | Vadym              |      3 |          3.50 |
|  5 | Olegh              |      4 |          3.00 |
+----+--------------------+--------+---------------+
5 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM students WHERE course=2;
+----+----------+--------+---------------+
| id | name     | course | average_score |
+----+----------+--------+---------------+
|  1 | Olexandr |      2 |          4.10 |
|  3 | Maxym    |      2 |          3.40 |
+----+----------+--------+---------------+
2 rows in set (0.00 sec)
```

```
mysql> UPDATE students SET average_score=4.60 WHERE name='Olexandr';
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE students SET average_score=3.40 WHERE name='Anastasiya_Ivanova';
Query OK, 1 row affected (0.03 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE students SET average_score=3.90 WHERE name='Maxym';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE students SET average_score=4.00 WHERE name='Vadym';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> UPDATE students SET average_score=3.50 WHERE name='Olegh';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> SELECT * FROM students;
+----+-------------------+--------+---------------+
| id | name              | course | average_score |
+----+-------------------+--------+---------------+
|  1 | Olexandr          |      2 |          4.60 |
|  2 | Anastasiya_Ivanova|      3 |          3.40 |
|  3 | Maxym             |      2 |          3.90 |
|  4 | Vadym             |      3 |          4.00 |
|  5 | Olegh             |      4 |          3.50 |
+----+-------------------+--------+---------------+
5 rows in set (0.00 sec)
```

```
mysql> UPDATE students SET name='Ivan_Petrov' WHERE course=3;
Query OK, 2 rows affected (0.03 sec)
Rows matched: 2  Changed: 2  Warnings: 0

mysql> SELECT * FROM students;
+----+-------------+--------+---------------+
| id | name        | course | average_score |
+----+-------------+--------+---------------+
|  1 | Olexandr    |      2 |          4.60 |
|  2 | Ivan_Petrov |      3 |          3.40 |
|  3 | Maxym       |      2 |          3.90 |
|  4 | Ivan_Petrov |      3 |          4.00 |
|  5 | Olegh       |      4 |          3.50 |
+----+-------------+--------+---------------+
5 rows in set (0.00 sec)
```

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

mysql> DELETE FROM students WHERE average_score<3.00;
Query OK, 0 rows affected (0.00 sec)

mysql> INSERT INTO students VALUES(6,'Olexiy_Kovalenko',1,4.20);
Query OK, 1 row affected (0.00 sec)

mysql> COMMIT;
Query OK, 0 rows affected (0.02 sec)

mysql> SELECT * FROM students;
+----+------------------+--------+---------------+
| id | name             | course | average_score |
+----+------------------+--------+---------------+
|  1 | Olexandr         |      2 |          4.60 |
|  2 | Ivan_Petrov      |      3 |          3.40 |
|  3 | Maxym            |      2 |          3.90 |
|  4 | Ivan_Petrov      |      3 |          4.00 |
|  5 | Olegh            |      4 |          3.50 |
|  6 | Olexiy_Kovalenko |      1 |          4.20 |
+----+------------------+--------+---------------+
6 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM students WHERE course=1 AND average_score > 4.00;
+----+------------------+--------+---------------+
| id | name             | course | average_score |
+----+------------------+--------+---------------+
|  6 | Olexiy_Kovalenko |      1 |          4.20 |
+----+------------------+--------+---------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT COUNT(*) as total_students;
+----------------+
| total_students |
+----------------+
|              1 |
+----------------+
1 row in set (0.00 sec)
```

```
mysql> DROP TABLE students;
Query OK, 0 rows affected (0.03 sec)

mysql> DROP DATABASE university;
Query OK, 0 rows affected (0.03 sec)

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