Завдання 1

```
mysql> DROP TABLE IF EXISTS Student;
Query OK, 0 rows affected (0.09 sec)

mysql> DROP DATABASE IF EXISTS University;
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE DATABASE IF NOT EXISTS University;
Query OK, 1 row affected (0.03 sec)

mysql> USE  University;
Database changed
mysql> CREATE TABLE IF NOT EXISTS Students(id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR (255), course INT,GPA DECIMAL(3,2));
Query OK, 0 rows affected (0.17 sec)

mysql>
```

Завдання 2

```
mysql> INSERT INTO Students (name,course,GPA) VALUES ('Ivanov Ivan',1,4.5),('Petrova Olga',2,3.8),('Sudorenko Vasyl',2,4.2),('Valchuk Maria',3,3.5),('Maksumenko Andryi',1,4.8);
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM Students WHERE course = 2;
+----+----------------+--------+------+
| id | name           | course | GPA  |
+----+----------------+--------+------+
|  2 | Petrova Olga   |      2 | 3.80 |
|  3 | Sudorenko Vasyl|      2 | 4.20 |
+----+----------------+--------+------+
2 rows in set (0.00 sec)

mysql>
```

Завдання 3

```
mysql> UPDATE Students SET GPA = GPA + 0.5;
Query OK, 5 rows affected (0.01 sec)
Rows matched: 5  Changed: 5  Warnings: 0

mysql> UPDATE Students SET name = 'Petrova Olga' WHERE course = 2;
Query OK, 1 row affected (0.02 sec)
Rows matched: 2  Changed: 1  Warnings: 0
```

Завдання 4

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

mysql> DELETE FROM Students WHERE GPA < 3.5;
Query OK, 0 rows affected (0.00 sec)

mysql> INSERT INTO Students (name,course,GPA) VALUES ('Oleksii Kovalenko',1,4.5);
Query OK, 1 row affected (0.00 sec)

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

mysql>
```

```
mysql> SELECT * FROM Students WHERE course = 1 AND GPA > 4.0;
+----+------------------+--------+------+
| id | name             | course | GPA  |
+----+------------------+--------+------+
|  1 | Ivanov Ivan      |      1 | 5.00 |
|  5 | Maksumenko Andryi |     1 | 5.30 |
|  6 | Oleksii Kovalenko |     1 | 4.50 |
+----+------------------+--------+------+
3 rows in set (0.00 sec)
```

```
mysql> SELECT course, COUNT(*) AS number FROM Students GROUP BY course;
+--------+--------+
| course | number |
+--------+--------+
|      1 |      3 |
|      2 |      2 |
|      3 |      1 |
+--------+--------+
3 rows in set (0.00 sec)
```

```
mysql> DROP TABLE IF EXISTS Students;
Query OK, 0 rows affected (0.07 sec)

mysql> DROP DATABASE IF EXISTS University;
Query OK, 0 rows affected (0.02 sec)
```