Lab-3:

Download the datasets from the Internet!

A)

1. Data sampling queries:
    a. Write SQL queries to select all students of a certain course.
    b. Select and output the most senior and junior students.
2. Updating the data:
    c. Write a request that will update the information about the student (for example, change his last name).
    d. Apply changes to multiple students.

B)

1. Creating more complex queries:
    - Create some more tables (for example, "Teachers" and "Courses") and link them with relationships.
    - Write SQL queries that combine data from different tables to get information about students, teachers, and courses.

C)

1. Grouping and aggregation of data:
    a. Write a query that returns the number of students in each course.
    b. Write a query to calculate the average age of students in each course.
2. Complex queries and subqueries:
    c. Write a query to select students who have an average score above the average score for all students.
    d. Write a request to select students who do not have grades below 3.

D)

1. Creating reports and views:
    - Write an SQL query that will create a view that combines data about students, courses and their grades.
    - Write a query that will output the average score of students in each course from the created view.