```
#creating a database
CREATE DATABASE edu_institute;
show databases;
use edu_institute;
CREATE TABLE students (
    student_id INT PRIMARY KEY,
    name VARCHAR(50),
    age INT,
    gender CHAR(1),
    enrollment_date DATE,
    program VARCHAR(50)
);
show tables
DESCRIBE student;
#query wasn't executing even when it was correct had to drop then create
again
DROP TABLE IF EXISTS students;
#Creating table for students
CREATE TABLE students (
    student_id INT PRIMARY KEY,
    name VARCHAR(50),
    age INT,
    gender CHAR(1),
    enrollment_date DATE,
    program VARCHAR(50)
);
#inserting student records including name,gender, enrolment date and
program
INSERT INTO students (student_id, name, age, gender, enrollment_date,
program)
VALUES
    (1, 'John Jeramic', 22, 'M', '2023-01-15', 'Computer Science'),
    (2, 'Jane Atieno', 25, 'F', '2022-08-20', 'Data Science'),
    (3, 'Alice Johnson', 21, 'F', '2023-02-10', 'Mathematics'),
    (4, 'Bob Wilson', 23, 'M', '2022-12-05', 'Engineering'),
    (5, 'Purity James', 24, 'F', '2023-04-01', 'Data Science');
#Question 3 selecting only data science students
SELECT * FROM students WHERE program = 'Data Science';
#Question 3.1 finding the total number of students in the table.
SELECT COUNT(*) AS Total_Students FROM students;
#Question displaying the current date in column named Todays date
SELECT CURRENT_DATE() AS "Today's Date";
#displaying the name column in uppercase
SELECT UPPER(name) AS Uppercase_Name, enrollment_date FROM students;
#identifyin number of students on every program
SELECT program, COUNT(*) AS "Number of Students"
FROM students
GROUP BY program
ORDER BY COUNT(*) DESC;
#finding the youngest student age and name
SELECT name, age
FROM students
ORDER BY age ASC
LIMIT 1;
```