**MySQL task 1**

//Commands

create database task;

use task;

create table students(

-> student\_id int primary key,

-> name varchar(40),

-> age int,

-> major varchar(100),

-> gpa decimal(10,2),

-> enrollment\_date date);

INSERT INTO students (student\_id, name, age, major, gpa,

-> enrollment\_date)

-> VALUES

-> (101, 'Alice Johnson', 20, 'Computer Science', 3.8, '2023-01-15'),

-> (102, 'Bob Smith', 22, 'Mathematics', 3.4, '2023-03-22'),

-> (103, 'Carol Lee', 19, 'Biology', 3.2, '2023-04-10'),

-> (104, 'David Brown', 21, 'Physics', 2.9, '2022-11-05'),

-> (105, 'Eve Davis', 23, 'Computer Science', 3.6, '2022-08-20'),

-> (106, 'Frank Miller', 20, 'Mathematics', 3.1, '2023-02-28');

1. select student\_id, name from students where major ='Computer Science';
2. select student\_id, name from students where major ='Mathematics' and GPA>3.5;
3. select student\_id, name from students where age>20 and GPA <3;
4. select student\_id, name from students where enrollment\_date BETWEEN '2023-01-01' AND '2023-12-31';
5. select distinct major from students;
6. select student\_id, name from students where student\_id IN(101, 102, 103);
7. select student\_id, name from students where GPA IS NULL;
8. select student\_id, name from students where name IS NOT NULL;
9. select student\_id, name, age from students where age= 18 or age =22;
10. select student\_id, name, age from students where age<19 or GPA >3.8;
11. select student\_id, name, age from students where GPA BETWEEN 2.5 AND 3.5 AND major='Biology';
12. select student\_id, name, GPA from students order by name ASC, GPA DESC;