CREATE TABLE student (

student\_id INT PRIMARY KEY,

name VARCHAR(100),

age INT,

gender VARCHAR(10),

CGPA DECIMAL(5,2),

city VARCHAR(100),

enrollment\_date DATE

);

INSERT INTO student (student\_id, name, age, gender, CGPA, city, enrollment\_date)

VALUES

(1, 'Aarav Kumar', 17, 'Male', 88.50, 'Chennai', '2023-06-15'),

(2, 'Meera Iyer', 18, 'Female', 92.00, 'Coimbatore', '2022-08-20'),

(3, 'Rohan Das', 16, 'Male', 76.25, 'Chennai', '2023-01-10'),

(4, 'Divya Raj', 17, 'Female', 81.75, 'Madurai', '2023-03-05');

select \* from student

--top 5 students from Chennai scoring between 80 and 95.

SELECT \* FROM student

WHERE CGPA BETWEEN 80 AND 95

AND city LIKE 'Chennai%'

ORDER BY CGPA DESC

--select top 5 results

select top 5 \* from student order by CGPA

--list names of top 3 students

select top(3) name from student order by CGPA

--students who are exactly 18 years old

SELECT \* FROM student WHERE age = 18;

--male students who has above 80% CGPA

SELECT \* FROM student WHERE gender = 'Male' AND CGPA > 80;

--students who came from Coimbatore or Madurai

SELECT \* FROM student WHERE city = 'Coimbatore' or city = 'Madurai'

--students whose name ends with letter r

SELECT \* FROM student WHERE name LIKE '%r';

--students who joined in the year of 2023

SELECT \* FROM student WHERE enrollment\_date BETWEEN '2023-01-01' AND '2023-12-31';

To get the top 3 students by CGPA:

SELECT name, CGPA

FROM student

ORDER BY CGPA DESC

LIMIT 3 ;

To get the next 3 after top 3 students by CGPA:

SELECT name, CGPA

FROM student

ORDER BY CGPA DESC

LIMIT 3 OFFSET 3;

--list all cities where students are from

SELECT DISTINCT city

FROM student;