CREATE TABLE students10 (

student\_id INT,

name VARCHAR(50),

course VARCHAR(50),

marks INT,

age INT,

city VARCHAR(50),

scholarship INT

);

INSERT INTO students10 VALUES

(1, 'Ravi', 'Math', 85, 20, 'Chennai', NULL),

(2, 'Priya', 'Science', 92, 21, 'Delhi', 10000),

(3, 'Amit', 'English', 75, 19, 'Mumbai', 5000),

(4, 'Sneha', 'Math', 88, 22, 'Kolkata', NULL),

(5, 'John', 'History', 67, 20, 'Chennai', NULL),

(6, 'Meena', 'Science', 95, 23, 'Delhi', 15000),

(7, 'Karan', 'English', 70, 20, 'Bangalore', 3000),

(8, 'Divya', 'History', 80, 22, 'Mumbai', NULL);

1.Display students with marks between 70 and 90.

select \* from students10 where marks between 70 and 90;

2.List students aged between 20 and 22.

select \* from students10 where age between 20 and 22;

3.Find students whose name starts with 'P'.

select \* from students10 where name like 'p%';

4.Find students whose city contains 'ai'.

select \* from students10 where city like '%ai%';

5.Find names where the second character is 'r'.

select \* from students10 where name like 'r%'

6.Show top 3 students with highest marks.

select \* from students10 order by marks desc limit 3;

7.Show students who have a scholarship.

select \* from students10 where scholarship is not null;

8.Show students only if there is at least one student from 'Delhi'.

select \* from students10 where exists (select 1 from students10 where city = 'Delhi');

9.Show students in 'Math' course AND age > 21.

select \* from students10 where course='math' and age>21;

10.Show students in 'Science' OR 'English' course.

select \* from students10 where course='science' or course='english';

11.Show students NOT from 'Mumbai'.

select \* from students10 where city not in('mumbai');

12.Show students who don’t have a scholarship.

select \* from students10 where scholarship is null;

13.Replace NULL scholarship with 0 using IFNULL.

select student\_id,name,course,marks,age,ifnull(scholarship,0) as scholarship from students10;

14.Replace NULL scholarship with 0 using COALESCE.

select student\_id,name,course,marks,age,coalesce(scholarship,0) as scholarship from students10;