**SQL ASSIGNMENT-3**

**QUESTIONS:**

**PART-1:**

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.

2.List students aged between 20 and 22.

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

4.Find students whose city contains 'ai'.

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

6.Show top 3 students with highest marks.

7.Show students who have a scholarship.

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

9.Show students with marks greater than ANY student in the 'History' course.

10.Show students with marks greater than ALL students in the 'English' course.

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

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

13.Show students NOT from 'Mumbai'.

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

15.Replace NULL scholarship with 0 using IFNULL.

16.Replace NULL scholarship with 0 using COALESCE.

**ANSWER:**

**PART-1:**

USE kailash;

CREATE TABLE students10 (

student\_id INT,

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INSERT INTO students10 VALUES

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

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

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

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

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

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

select\*from students10 where scholarship is not null;

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

select \* from students10 where marks > any (select marks from students10 where course = 'History');

select \* from students10 where marks > all (select marks from students10 where course = 'English');

select \* from students10 where course="Math" and age>21;

select \*from students10 where course = "Science" or "English";

select \*from students10 where city<>"Mumbai";

select \*from students10 where scholarship is null;

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

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

