**Ayushman Pranav E21CSEU0245**

1. **Find the name of instructors who are teaching the Courses in course table.**

SELECT Instructor\_name FROM Instructors;

1. **Display the all the instructor with no experience.**

SELECT Instructor\_name FROM Instructors

LEFT JOIN Experience

ON Instructors.Instructor\_id = Experience.Instructor\_id

WHERE Experience = 0;

1. **Find out the name of students who are taught by the instructors having experience more than 3 years. (using left and right join)**

SELECT S\_name FROM Students

LEFT JOIN Experience

ON Students.Instructor\_id = Experience.Instructor\_id

WHERE Experience >3 ;

1. **Display all name of instructor with maximum experience.**

SELECT Instructor\_name FROM Instructors

LEFT JOIN Experience

ON Instructors.Instructor\_id = Experience.Instructor\_id

WHERE Experience = (SELECT MAX(Experience )FROM Experience);

1. **Find the name of faculty and students involve in DBMS or OS.**

SELECT s.S\_Name , i.Instructor\_name , c.Course\_title

FROM Students s

INNER JOIN Instructors i

ON s.Instructor\_id = i.Instructor\_id

INNER JOIN Courses c

ON s.Instructor\_id = c.Instructor\_id

where Course\_title = "DBMS" and Course\_title = "OS";

1. **How many instructors are teaching no students?**

**7. Find out the name, experience, department of the instructor along with the registration id of the student who are involve in the DLD subject.**

**8. Display the average age of the student studying DBMS.**

**9. Perform the left join on instructors table and student’s table. Identify the null values.**

**10. Perform left join on instructors table and student’s table. Count the total number of rows in the table.**