**NAME-AYUSHMAN PRANAV**

**ENROLLMENT NUMBER-E21CSEU0245**

**LAB ASSIGNMENT 3(CSET-201)**

*QNO.1)Display the number of instructors from each department.*

**Select COUNT(Department) AS NO.OF.DEPARTMENTS FROM Instructor;**

QNO.2)Display the number of instructors from each department, sorted low to high.

**Select COUNT(Department) AS NO.OF\_DEPARTMENTS FROM Instructor ORDER BY Instructor\_name ASC;**

*QNO.3) Display the number of instructors from each department, sorted low to high and include only those departments who is having more than two instructors*

**Select COUNT(Department) AS NO.OF\_DEPARTMENTS FROM Instructor ORDER BY Instructor\_name ASC WHERE COUNT(Department)>2;**

*QNO.4 Display all the details of first 4 youngest student from students table.*

**Select \* FROM Students ORDER BY S\_Name ASC LIMIT 4;**

*QNO.5 Display all the students whose name begins with D.*

**Select \* FROM Students WHERE S\_Name LIKE 'D%';**

*QNO.6 . Write a query that selects the first student in alphabetical order whose name ends with m.*

**Select \* FROM Students WHERE S\_Name LIKE '%m' LIMIT 1;**

*QNO.7 Select the average age of students in each semester.*

**SELECT AVG(Age) From Students GROUP BY Semester;**

*QNO.8-Display the name of the student in Semester 3, with maximum age.*

**SELECT S\_name FROM Students WHERE Age = (SELECT MAX(Age )FROM Students);**

*QNO.9 Display all the students in Semester 3 who are studying OS.*

**Select \* FROM Students WHERE Course\_title = "OS" AND Semester = 3;**

*QNO.1O- Combine Instructor\_name and Department columns as instructor\_detail column.*

**SELECT S\_name, Students.Course\_code, Courses.Course\_title FROM Students**

**JOIN Courses**

**ON Students.Course\_code = Courses.Course\_code**

**WHERE Courses.Course\_title = 'OS';**

*QNO.11- . Write a SQL statement to increase the credits of subjects under the semester 1, 3 and 5. The credits will be increased by 2,1,1 for 1,3,5 semester respectively and the rest of the departments will remain same.*

**Update Courses set Credits = Credits+1 WHERE Semester = 3 AND Semester = 5;**

**Update Courses set Credits = Credits+2 WHERE Semester = 1;**