CSE441 : Database Systems Quiz - 1

1) Show total number of students enrolled in IIIT.

2) Select years with more than 1 student born in them and sort them in ascending order.

3) Some notorious student has made graffiti all over the Faculty Quarters. We have reason to believe that his/her first name starts with an A or an S. Help us find him/her. Display names and roll numbers of students with names having the above property. Also sort the data first by names and then by roll numbers.

4) Display the names of the students with the top 5 GPAs. Sort by descending order of GPAs.

5) For each course, show students who failed in it. Sort first by course names and then by student names.

6) Find the difference in the overall maximum and minimum GPAs.

7) Display IDs of pairs of students whose GPAs differ by less than 1, ordered lexicographically, among each pair and each row.

8) Display names of students who have the zodiac sign Pisces (February 18 - March 20 ,both inclusive). Sort by name.

9) We want to verify some astrological predictions relating birth time with student GPA. Display names of students born on Fridays, in the 2nd half of the year (Assume 2nd half means on or after the 26th week of the year), with strictly above average GPAs. Sort by name.

10) **Bonus:**
   Display old and updated grades for students receiving at least one grade drop due to attendance (1 grade drop is given for every 4 absences) for each course, ordered by course name, then by student name.