

## Lab 05 – JAVA Strings

1. Write a program with class **Student**. Every student record is made up of the following fields:

- a. Instance Variables

- i. Registration number (int)

// Year of joining 2012 + 80<sup>th</sup> student = regno = 1280

- ii. Full Name (String)

- iii. Date of Joining (Gregorian Calendar)

- iv. Semester (short)

- v. GPA (float)

- vi. CGPA (float)

- b. Member Functions

- i. Default + Parameterized Constructors

- ii. display()

- iii. Sort the student records with respect to semester, CGPA, and name

- iv. List all students whose name starts with a particular character

- v. List all students names containing a particular sub string

- vi. Shorten the full name to name with just initial and family name.

2. Write a program to convert strings containing numbers into comma-punctuated numbers, with a comma every third digit from the right.
3. Write a program to pull out all occurrences of a given substring present in the main string.
4. Write a program to find the number of occurrences of a given substring in another string.