Assignment-4
Object Oriented Programming Lab (CS-13105)
Java: String and Tokenization

1. You are required to create a database that has employee identification, employee name, fathers name, address, date of birth, designation, hourly payments rate and maximum payments that an employee can be paid in month for 100 hours. You may use the array concept for storing the records of 100 employees.

2. You are required to write classes for student details (name, registration number, fathers name), address (current address, permanent address, contact number, email Id) using inheritance concept where address is child class.

3. Further you are required to extend the problem no 2 for addition of the classes, using inherit concept, Courses Registered (Course name, credit, course number, associated teachers), Academic records(name of degree, year of passing, university/board, percentage marks), Payments Details (bank name, transaction id, amount, date).

4. You are required to create array of string of 10 elements. Further sort the array in ascending order. The string comparison can be with or without case sensitive.

5. You are given a paragraph consisting of words, Convert this para graph to tokens (word) to be stored in array of string in sorted order where sorted array does not have duplicate words.

6. You are given a paragraph consisting continuous alphabets, Convert this para graph to tokens of fixed size. Store the tokens in array of string in sorted order where sorted array does not have duplicate words.

7. You are given a paragraph consisting continuous alphabets, Convert this para graph to tokens based on occurrence of particular characters. Store the tokens in array of string in sorted order where sorted array does not have duplicate words.

   Note: Programming questions may be added, removed, or modified as per requirement