

## **CS 358 Compiler Techniques Lab**

*Apr-May 2021*

### **Lab Assignment 1: Basics of Strings**

Marks: 30

This is an individual assignment.

Start Date: 26.04.2021

Submission Deadline: 30.04.2021 10:00 am

1. Write a program to count number of spaces and number of lines and number of characters used.
2. A program read a set of lines from the keyboard. Write a program to remove white spaces such as horizontal tab, back space and new line from the contents of the string and display the resulting string.
3. Write a program to count the number of vowels and consonants in a given string.
4. Write a program to check whether the entered string is a keyword or not.
5. Write a program to identify the tokens such as identifier, operator, and keyword of subroutine given by the user.

Please plan to submit files as a **single zip file** through Google Classroom. You should name your file as your **RollNumber.zip**. Your submission should be 1 zip file comprising of the following:

1. Your C/C++ code for each question
2. A demo explaining your code, code logic, input, and output