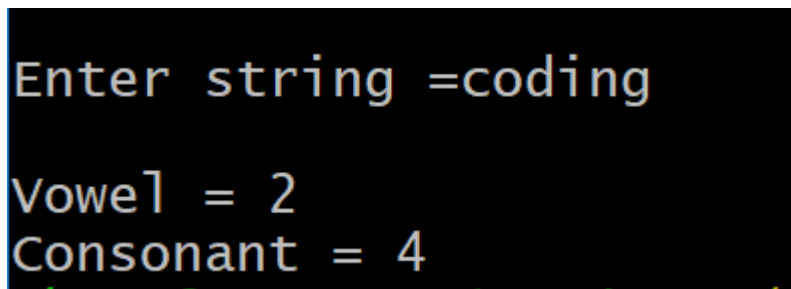# Assignment 8:
More on Strings

Date: **Thursday 1ˢᵗ November 9:30am-12:20pm**
> You must demo all your work *during your lab session and before exiting the lab*. And submit the lab work in the blackboard.
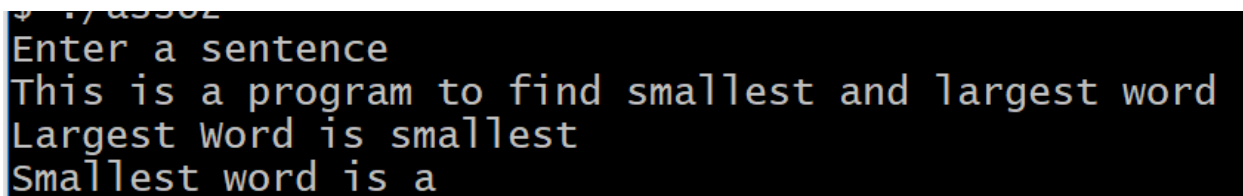
Programs:
1. Write a short C program that counts number of vowels and consonants in a string using pointers. Use of pointers is a must.

```
Enter string =coding

Vowel = 2
Consonant = 4
```

2. Write a C program to find the smallest and largest word in a sentence. You can use string functions like strlen, strcpy, strcmp in your program.

```
$ ./ass02
Enter a sentence
This is a program to find smallest and largest word
Largest Word is smallest
Smallest word is a
```

3. Write a C program to sort strings in dictionary order. You can ask the user to enter names and then sort them using string functions like strcpy, strcmp.

```
Enter 5 names:
John
William
James
Frank
Robert
*******************************
Strings in dictionary order:
Frank
James
John
Robert
William
```

Write pseudocode to solve the given problems.
Write C program to solve the above problems. Name your file Lab8_YourName.c