

CS 1713
Introduction to Computer Programming II
Recitation 9

1. (100 pts) Write a program to find the words that have a specific character among the words of a string. Read a string and a character from the user and display all the words having that character on the screen. One way to do this is to find the words in one sentence and check if they have the required character in them. Another way is to find all the occurrence of the character and then find the words in those locations. Assume that words are not case sensitive in your program. Both the words "One" and "one" have an 'o' in them. Do not use string function *strtok()*. You can write your own version of *strtok()* and use them in your program if you want.

Sample execution is given below

```
Enter a sentence
This is my first sentence
Enter a character
i
Words containing i are:
This
is
first
```

Since words are case sensitive we have the following sample execution

```
Enter a sentence
I am a computer scientist
Enter a character
i
Words containing i are:
I
scientist
```

Submit your program electronically using the blackboard system