CS 1713
Introduction to Computer Programming II
Recitation 7

1. (100 pts) Write a program to reverse the words of a string. Implement a function $reverse()$ that reverses the string between indexes i and j inclusively. Prototype of the function is given below.

```
void reverse(char *str, int i, int j)
```


a	p	p	l	e		o	r	a	n	g	e	\0
0	1	2	3	4	5	6	7	8	9	10	11	12

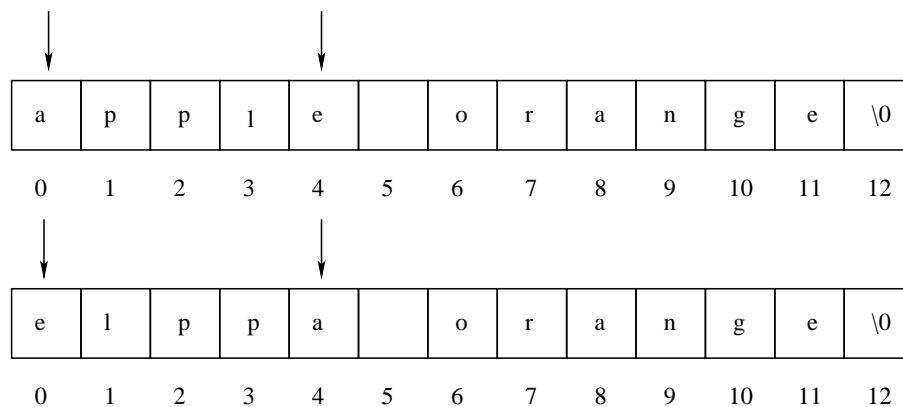| e	l	p	p	a		o	r	a	n	g	e	\0
0	1	2	3	4	5	6	7	8	9	10	11	12

Figure 1: Example

An example is given in figure 1. If we have $reverse(str, 0, 4)$ it reverses the string between indexes of 0 and 4 from *apple* to *elppa*. You can reverse all the words of a string by finding start and end positions of each word and reversing the word. Assume that you have only uppercase and lowercase letters in the word.

Sample execution is given below

```
fox01> recitation7
Enter a string:
apple orange banana
Reversed string:
elppa egnaro ananab
```

Submit your program electronically using the blackboard system