Part I: Write C program

Write a program to reverse the words of a string, where the words in the string are separated by space and contain only uppercase and lowercase letters. The program can read the string from user input like follows:

    fox01> ./recitation05
    Enter a string:
    apple orange banana
    The string with reversed words is:
    elppa egnaro ananab
    fox01>

You should write a function `reverse()` that reverses the string between indexes `i` and `j` inclusively with the following prototype:

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

Suppose that the string variable `str` contains “apple orange”, the function call `reverse(str, 0, 4)` will reverse the string between indexes of 0 and 4 where “apple” will be changed to “elppa”, and the string becomes “elppa orange”.

You can reverse all the words of a string by finding start and end positions of each word and reversing the word.