

CS211 Lab Assignment - 6

Assigned: 11/04/2019

Due: 11/06/2019 (Midnight)

Write a C++ function that removes extra white spaces from a given string. Use the program provided below, which asks a user for an input string. This input string may have different amounts of extra white spaces in between words. Write the function with the following declaration, that takes the source and destination string as a reference.

```
void removeExtraWhiteSpaces(char src[], char dest[], int src_max_size=1000);
```

This function should remove all extra whitespaces from the source string and write the resultant string the 'dest' string.

```
void main()
{
    char src[1000];
    char dest[1000];
    cout<<"Enter Input String:"<<endl;
    cin.getline(src, 1000);

    removeExtraWhiteSpaces(src, dest, 1000);
    cout<<"Result String"<<endl;
    cout<<dest;
}
```

Do Not Use Predefined Functions from the cstring Library.

Assume a maximum C-string size of 1000 characters.

Your code will be tested on other test cases not listed here. Make sure your output matches the formatting as shown in the test cases below.

Please properly comment your code before submission.

Name your source file as **RemoveSpaces_WSUID.cpp**. For example, if your user ID is A999B999 name your file as **RemoveSpaces_A999B999.cpp**.

Sample Test Cases:

<u>Test Case 1:</u> <u>Input:</u> Enter Input String: Hello world, how are you? <u>Output:</u> Result String Hello world, how are you?	<u>Test Case 2:</u> <u>Input:</u> Enter Input String: London bridge is falling down <u>Output:</u> Result String London bridge is falling down
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