```
1 #include <stdio.h>
 2
 3 #define MAX_STRING_LENGTH 512
 4
 5 int main(void)
 6 {
 7
        //function prototype
 8
        int MyStrlen(char[]);
 9
        void MyStrcpy(char[], char[]);
10
        //variable declarations
11
        char charray[MAX_STRING_LENGTH], charray_SpacesRemoved[MAX_STRING_LENGTH]; // >
12
          A Character Array Is A String
        int iStringLength;
13
14
        int i, j;
15
        //code
16
17
        // *** STRING INPUT ***
18
19
        printf("\n\n");
20
        printf("Enter A String : \n\n");
        gets_s(chArray, MAX_STRING_LENGTH);
21
22
        iStringLength = MyStrlen(chArray);
23
24
        i = 0;
25
        for (i = 0; i < iStringLength; i++)</pre>
26
27
            if (chArray[i] == ' ')
28
                continue;
29
            else
30
            {
31
                chArray_SpacesRemoved[j] = chArray[i];
32
                j++;
33
            }
34
        }
35
36
        chArray_SpacesRemoved[j] = '\0';
37
        // *** STRING OUTPUT ***
38
39
        printf("\n\n");
        printf("String Entered By You Is : \n\n");
40
41
        printf("%s\n", chArray);
42
        printf("\n\n");
43
        printf("String After Removal Of Spaces Is : \n\n");
44
        printf("%s\n", chArray_SpacesRemoved);
45
46
47
        return(0);
48 }
49
50 int MyStrlen(char str[])
51 {
```

```
...lArray\06-StringOperations\09-RemoveSpaces\RemoveSpaces.c
```

```
//variable declarations
53
       int j;
       int string_length = 0;
54
55
56
       //code
57
       // *** DETERMINING EXACT LENGTH OF THE STRING, BY DETECTING THE FIRST
         OCCURENCE OF NULL-TERMINATING CHARACTER ( \0 ) ***
58
       for (j = 0; j < MAX_STRING_LENGTH; j++)</pre>
59
60
            if (str[j] == '\0')
61
                break;
62
            else
63
                string_length++;
64
65
       return(string_length);
66 }
67
```

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