```c
#include <stdio.h>

#define MAX_STRING_LENGTH 512

int main(void)
{
    //function prototype
    int MyStrlen(char[]);
    void MyStrcpy(char[], char[]);

    //variable declarations
    char chArray[MAX_STRING_LENGTH], chArray_SpacesRemoved[MAX_STRING_LENGTH]; //  A Character Array Is A String
    int iStringLength;
    int i, j;

    //code

    // *** STRING INPUT ***
    printf("\n\n");
    printf("Enter A String : \n\n");
    gets_s(chArray, MAX_STRING_LENGTH);

    iStringLength = MyStrlen(chArray);
    j = 0;
    for (i = 0; i < iStringLength; i++)
    {
        if (chArray[i] == ' ')
            continue;
        else
        {
            chArray_SpacesRemoved[j] = chArray[i];
            j++;
        }
    }

    chArray_SpacesRemoved[j] = '\0';

    // *** STRING OUTPUT ***
    printf("\n\n");
    printf("String Entered By You Is : \n\n");
    printf("%s\n", chArray);

    printf("\n\n");
    printf("String After Removal Of Spaces Is : \n\n");
    printf("%s\n", chArray_SpacesRemoved);

    return(0);
}

int MyStrlen(char str[])
{
```

```c
    //variable declarations
    int j;
    int string_length = 0;

    //code
    // *** DETERMINING EXACT LENGTH OF THE STRING, BY DETECTING THE FIRST
      OCCURENCE OF NULL-TERMINATING CHARACTER ( \0 ) ***
    for (j = 0; j < MAX_STRING_LENGTH; j++)
    {
        if (str[j] == '\0')
            break;
        else
            string_length++;
    }
    return(string_length);
}

```