Character arrays:

1. Write a function “GetStringLenght” which takes a string and returns its length. For example:

String: “I love programming.”

Length: 19

**2.**Write a function that takes as parameters a string (char array), a ‘find’ character and a ‘replace’

character. The function should replace all the occurrences of the ‘find’ character with the

‘replace’ character. For example:string: “I love programming”

find character: ‘m’

replace character: ‘n’

then the string should become “I love progranning”

**3.** Write a function that takes as input only a character array (again do not specify the size of the string). The function should replace the string so that all leading spaces are removed. For example if the initial string is:

“ hello how are you?”

Then the function should replace the original string with “hello how are you?”

String Before TrimStart: “ Hello How are you?”

String After TrimStart: “Hello How are you?”

**4.** This function should remove all the trailing spaces from a string. For example, if the initial string is:

“hello how are you “

Then the function should modify the string as “hello how are you”

Test your function with following string:

String Before Trim End: “I love programmin g. ”

String After Trim End: “I love programmin g.”

**5.** Write a function that takes a string, replaces a Find substring with a Replace substring and creates a new string. For example:

String: “I am Pakistani so I support Pakistani Cricket team in Pak-India matches.”

Find Substring: Pak

Replace Substring: Afghan

New String: “I am Afghanistani so I support Afghanistani Cricket team in Afghan-India matches.”

String: “I am Pakistani so I support Pakistani Cricket team in Pak-India matches.”

Find Substring: Pakii

Replace Substring: Afghan

New String: “I am Pakistani so I support Pakistani Cricket team in Pak-India matches.” (as Pakii

does not exist in the string).