

Lab work

Strings

1. Write a function named *my_strlen* that works like the standard library function `strlen()`.
 - a. Takes address of a character array.
 - b. Returns the length of the string stored in the character array.Write two versions of the function-
 - a. Using array subscript notation
 - b. Using pointer arithmetic
2. Write a program that uses library function `strlen()`.
3. Write a function named *my_strcpy* that works like the standard library function `strcpy()`.
 - a. Takes base address of the source string and target arrayWrite one version-
 - a. Using array subscript notation
4. Write a function named *convert_uppercase* to convert all the lowercase letters in a string to uppercase. It takes one argument:
 - a. The base address of the string to convert.
5. Write a function named *convert_lowercase* to convert all the uppercase letters in a string to lowercase.
It takes one argument:
 - a. The base address of the string to convert.
6. Write a function named *word_count* that takes one parameter:
 - a. Base address of a string.The function counts the number of words in the string and returns it.[Note: The words in the string need to be separated by SINGLE space, tab or newline characters]
7. Anagram