

CS 211

Lab: Strings vs. C-Strings

Part A:

1. Declare a c-string of size 50.
2. Ask the user for a line of text of length 10 or more. Recall to maintain the proper length in order to not destroy the c-str.
3. Insert it into the c-str created in step 1. Print out the c-str and its length.
4. Extract the middle 5 or 6 characters of the c-str. 5 if the c-string is of an odd length, 6 if it's of even length. Ex: "Hello New York" -> "o New ", "Goodbye Bob" -> "dbye "
5. Insert these characters into another c-str. Print the c-str substituting spaces with asterisks (*).

Part B:

1. Do all the above using strings and the methods available in the string class. (Hint: substrings)
2. Which is easier of Part A or B?

Challenge – If you are bored

Find first non-repeated character in a given string.

Ex: "Hershey" -> 'r'

Solved it? In how many passes? Were you able to do it in one pass of the original string?