

Programming Assignment #5

Fall 2014

CSC 3210

Due Friday, Dec 5th at 11:59 pm (late deadline Dec 8th at 11:59 pm)

Write an efficient program to perform the following functions on input strings.

1. Ask the user to enter in a string of at most 15 characters.
2. Print out the length of the string
3. Print out if the string is a palindrome or not
4. Ask the user to provide a character
5. Print out the number of times the character is in the string
6. Ask the user if they want to repeat for a new string
7. If yes, then repeat steps 1-6, otherwise quit the program

Here is a sample output:

Please enter in a string of at most 15 characters: racecar

The length of the string is 7 characters

The string is a palindrome

Please enter a character: a

The character `a` appears 2 times

Do you want to repeat for a new string (y/n): y

Please enter in a string of at most 15 characters: racingcar

The length of the string is 9 characters

The string is not a palindrome

Please enter a character: x

The character `a` appears 0 times

Do you want to repeat for a new string (y/n): n

Goodbye