

CS 146 Assignment 6

This week we want to take a closer look at loops and how they can process strings. For this assignment, I want you to create a Palindrome detector. You'll find a file called Palindromes.txt which has a potential palindrome candidate on each line. Your program should write the original line to the listbox and then tell me whether or not the line was a palindrome. The original line should be printed inside double quotes so I can tell where it starts and ends.

Some things to note:

1. Palindromes may be made up of only letters and numbers – but they may be intermixed in the same line.
2. All punctuation characters and spaces should be ignored – sometimes there even may be more than one space in between words or numbers...
3. Palindromes are not case sensitive, so LIVE EVIL, Live Evil and Live evil are all palindromes. Once you've processed the file, you should give me a total count of how many palindromes you found and a count of how many non-palindromes you found as well.

Upload a copy of your source code (full solution folder) to canvas.