

**COSC 1420.S01
PROGRAM SIX**

ASSIGNMENT:

Write a program, which will ask for and read in a line of text characters using a “C-type” string (an array of characters with an end-of-string mark denoting where the characters stop. The program will then determine if the line of text forms a palindrome and print whether it is or not. After printing this message, the program will ask for another line of text. The program will end when the line of text read matches the characters “END” (letters in all caps).

NOTES:

- 1) When testing if the string is a palindrome, an upper and lower case character will be considered a match. Only when checking for “END” is there a requirement for the case to be specifically upper case.
- 2) The maximum number of displayable characters in a line will be 80.

To Turn In:

- 1) An electronic copy of the .c file in the project folder as created by Visual Studio. This will be emailed to the instructor with the subject line “COSC 1420.S01 – Lab 6”.
- 2) If you wish any feedback on your work, turn in a printed listing of the .c file that you created.

DUE: 27 Feb 2019

BONUS: Do the program without use of any “str” functions – plus 10 points.