**CS 121 Week 5 Worksheet - Pseudo-Code, Arrays, and File IO Practice**

Write pseudo-code for the following prompt (if you have a computer, you may type this out):

1. Write a program that outputs all the words and phrases in a supplied text document, called *word\_list.txt*, that are palindromes. Your program must read in the text file, store the words from the text file and place them into a string vector called *word\_list*. Afterwards, print out all the words in the list that are palindromes. Assume that the words and phrases in *word\_list.txt* are separated by line and the maximum amount of words and phrases in *word\_list.txt* is 50.

**Some key notes before you begin:**

* A palindrome is a word or phrase that looks the same when written backwards. For instance, *racecar*, *a but tuba*, and *b* are palindromes, but *palindrome* and *computer* are not palindromes.
* Don't forget to note what libraries you are using for this program in the pseudo-code.
* You will need to perform a for-loop for checking if a word is a palindrome.
* If we have a string called *str*, you may access a position in *str* by subscript (e.g. *str[0]* will give you the first character in the string).
* The maximum amount of words/phrases is 50, which does not mean they will always supply 50.