

CS 272 In-Class Exercises 5A

Getting started: Download the [zip file](#), unzip it, and import the project into Eclipse.

File I/O

A. File Input: Complete the **FileAnalyzer** program.

Your task is to

- Open a text file for reading
- Read all of the words in the file
- Find (and return) the longest word in the file
- If there are multiple words with the same length, return the first of the maximum length words.

Check your code by running **TestFileAnalyzer**

- You'll find it in the tests package
- Paste the results below

Copy and paste **your results** - the output text showing all the marks (not a screen shot)

IC05-A - Testing FileAnalyzer for cle173

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+ SYNTAX: longestWord found in occ.cs272.ic05.FileAnalyzer (0.5)
+ SYNTAX: longestWord is public (0.5)
+ SYNTAX: longestWord return type is String (0.5)
+ SYNTAX: longestWord parameters defined correctly (0.5)
+ Success: longestWord("mary.txt")->"everywhere" (5.0)
+ Success: longestWord("JackJill.txt")->"tumbling" (5.0)
+ Success: longestWord("does-not-exist.txt")->"java.io.FileNotFoundException" (5.0)
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```

100% (17.0/17.0 tests passing)

B. File Output: Complete the **WordCounter** program.

Your task is to complete the **countWords** method

- Count the number of words per line
- Print out each line of the poem preceded by number of the number of words in that line.
- Note that method does NOT open files

Check your code by running **TestWordCounter**

- You'll find it in the tests package
- Paste the results below

Copy and paste **your results** - the output text showing all the marks (not a screen shot)

IC05-B - Testing WordCounter for cle173

+ JackJill line #1->7 Jack and Jill went up the hill, (1.0)
+ JackJill line #2->6 To fetch a pail of water. (1.0)
+ JackJill line #3->7 Jack fell down and broke his crown, (1.0)
+ JackJill line #4->5 And Jill came tumbling after. (1.0)
+ JackJill line #6->7 Up Jack got and home he ran, (1.0)
+ JackJill line #7->6 As fast as he could caper. (1.0)
+ JackJill line #8->6 There his mother bound his head, (1.0)
X JackJill line #5-> expected:<[0] > but was:<[1] > (1.0)
+ JackJill line #9->5 With vinegar and brown paper. (1.0)
+ Mary line #1->5 Mary had a little lamb (1.0)
+ Mary line #2->6 Whose fleece was white as snow. (1.0)
+ Mary line #3->5 And everywhere that Mary went, (1.0)
+ Mary line #4->6 The lamb was sure to go! (1.0)
+ Peter line #1->8 Peter Piper picked a peck of pickled peppers. (1.0)
+ Peter line #2->8 A peck of pickled peppers, Peter Piper picked. (1.0)
+ Peter line #3->8 If Peter picked a peck of pickled peppers, (1.0)
+ Peter line #4->9 Where's the peck of pickled peppers Peter Piper picked? (1.0)
+ Reading string input->OK (5.0)

95% (21.0/22.0 tests passing)

When you are finished, download it as a PDF and then upload it to Canvas before the deadline.