

CS 46B

Introduction to Data Structures

Summer Semester 2015

Department of Computer Science
San José State University
Instructor: Ron Mak

Homework #2

Assigned: Tuesday, June 9

Draft due: Wednesday, June 10 at 11:59 PM

URL: <http://codecheck.it/codecheck/files/1506091032cjhe4tuyws7nwgo420hi8tkw8>
6 points max

Final due: Friday, June 12 at 11:59 PM

URL: <http://codecheck.it/codecheck/files/1506091036ay0zb7ctd13x92r8zy4xs7h7y>
10 points max

Practice with Scanner

Write a Java program that will read Lincoln's Gettysburg Address from a text file.

Count and print how many lines, words, and characters are in the text file. Just use the default word delimiters.

Calculate and print what percentage of the file's characters are digits, lower-case letters, upper-case letters, white-space characters, and other characters.

The input file GettysburgAddress.txt:

<http://www.cs.sjsu.edu/~mak/CS46B/assignments/2/GettysburgAddress.txt>

(This file has already been uploaded into Codecheck.)

For this assignment, to count lines, words, and characters, it's probably easiest to open, read, and close the input file three times.

Draft

Just count and print the number of lines, words, and characters.

Complete this file:

<http://www.cs.sjsu.edu/~mak/CS46B/assignments/2/draft/Counter.java>

The tester file:

<http://www.cs.sjsu.edu/~mak/CS46B/assignments/2/draft/CounterTester.java>

The Codecheck URL:

<http://codecheck.it/codecheck/files/1506091032cjhe4tuyws7nwgo420hi8tkw8>

Canvas: Homework 2 Draft

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Final

Also calculate and print the percentages.

Complete this file:

<http://www.cs.sjsu.edu/~mak/CS46B/assignments/2/final/Counter.java>

The tester file is:

<http://www.cs.sjsu.edu/~mak/CS46B/assignments/2/final/CounterTester.java>

You are also given:

<http://www.cs.sjsu.edu/~mak/CS46B/assignments/2/final/CharacterStats.java>

The Codecheck URL:

<http://codecheck.it/codecheck/files/1506091036ay0zb7ctd13x92r8zy4xs7h7y>

Canvas: Homework 2 Final

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