

**Csci 1523**

**1523 InClass Laboratory Module**

**06 Files and Exceptions**

**Lab Partner 1(Print):** \_\_\_\_\_

**Lab Partner 2(Print):** \_\_\_\_\_

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This lab contains 2 pages (including this cover page) and 1 problems. Check to see if any pages are missing. Enter all requested information on the top of this page, and put your initials on the top of every page, in case the pages become separated.

You may use your books, notes, calculator or internet sources while completing this laboratory.

Please try to answer the sections clearly and PRINT your answers legibly Please follow these guidelines when completing the sections:

In this laboratory session we will be working with Python files, the graphics package and introducing Python functions.

You will work with a partner on this exercise during your lab session. Two people should work at one computer. Occasionally switch the person who is typing. Talk to each other about what you are doing and why so that both of you understand each step.

## Laboratory Exercises

1. (a) **Analyzing the Gettysburg Address** In your D2L Module 6 materials you will find a text file, "gettysburg.txt" this text file contains Abraham Lincoln's Gettysburg address in plain ASCII format. In this exercise we will open the file and determine the number of sentences, words and letters that comprise it.

In our current section we are studying at both file processing and exception handling. In your short program to open and analyze this document please provide an exception handler around the file operations. We know that often times in file processing errors occur such as misnamed files or files not being present in the directory we think therein so we will provide here an exception handler that will notify the user if the file has not been filed.

- (b) **Based your program please complete the following:**

Number of sentences: \_\_\_\_\_  
Number of words: \_\_\_\_\_  
Number of letters: \_\_\_\_\_