**CSCI 1470 – Fall 2015  
Lab 11 Assignment**

**Topic:** Strings and File IO   
**Reading:** Chapters 5 and 10

Submit all source codes (\*.cpp) at the same time via email to clarenceb@uca.edu and to tvelasco1@cub.uca.edu

***\*Note: Include the following set of comments at the top of your source code for all assignments.***

***// Student Name:***

***// Assignment #: (Example: A11-1)***

***// Lab Time: Tuesday 2:40-4:30***

***/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Title of Program\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\****

***Author: Date of Work:***

***Design: Provide an general overall description of the program***

***Input:***

***Process:***

***Output:***

***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/***

**1. *(Save this file as* A11-1.cpp***.)*

In this assignment, you will write a program that allows the user to specify the name of file that contains a set of words and symbols and that reads in the file and determines the number of words and the number of letters. The file can be any length. The user should be able to process as many files as needed. When processing the file, you should consider any collection of letters between any other symbol to be one word. For instance, the following set of letters and symbols has 3 words:

Tractor &3\* Plow !-& Field

You should use strings and use the getline() command to read each line of the file. You should continue reading and processing the file until you reach the end of the file. You may assume that no word will stretch from one line to the next line.

To test your program, you should download the files

Gettysburg.txt

JuliusCaesar.txt

from http://faculty.uca.edu/clarenceb

# CSCI 1470 – Fall 2015

# Lab 11 Out-of-class Assignment

**Due Date: Monday November 23, 11:00PM**

**Topic:** Strings and File IO   
**Reading:** Chapters 5 and 10

Submit all source codes (\*.cpp) at the same time via email to clarenceb@uca.edu and to tvelasco1@cub.uca.edu

***\*Note: Include appropriate comments at the top of your source code for all assignments.***

**Assignments:**

**1. *(Save this file as* B11-1.cpp***.)*

In this assignment, you will read in a file that contains records about several people. Each record will have the following information in the order specified:

Last name, first name, city, state, address digits, street name, street type, zip code

However, there are no commas in the each record. A sample record is

Smith Jill Vilonia AR 1754 Maple St 72035

Your program should read each record and output the results as a mailing address, as shown below

Jill Smith

1754 Maple St

Vilonia, AR 72035

You should read and process the records until you reach the end of the file. You can assume that each record is properly formatted. A sample file is given as

mailingAddresses.txt

at http://faculty.uca.edu/clarenceb

You may assume that there is exactly one space between each item in each record. Please left justify the mailing address, but move the lines over by 18 spaces.