

CS 12 - Assignment 5

Strings

Due Thursday, May 14

In this assignment you will be using strings. Be sure to include all necessary information at the top of your program and use good commenting and style throughout. You should use string functions wherever possible in order to receive full credit.

You will be writing two short programs. Each should be a separate program and thus each should be in its own file with its own main function. Store the two files in the same directory so that when you turn in the directory both programs will be turned in.

- Write a program that reads in three strings from the user. These strings can be words or sentences. You should then sort the strings alphabetically and store them in a list of strings (a two-dimensional array of characters). Print the sorted strings out nicely formatted. You should name the file for this program **part1.cc**.
- For your second program, create a file called *names*. This file should contain sets of integers associated with people. For example,

```
121 John Doe
309 David Lee Greenspan
772 Jane Doe
524 Madonna
904 Joe Green
762 Christopher Lee
```

Write a program that allows the user to specify a one word name. The file *names* should then be opened and the corresponding integer should be printed for each person in the file whose name contains the user specified name.

For example, given “Doe”, 121 and 772 would be printed. Given “Lee”, 309 and 762 would be printed. Given, “Green”, 904 would be printed.

Note that the specified name must be an entire word in order to print the integer. For the example using “Green”, 309 should not be printed because although “Green” is a substring of “Greenspan”, it must be the entire word.

You should name the file for this program **part2.cc**.