

CSci 1113: Introduction to C/C++  
Programming for Scientists and Engineers  
Homework 7  
Spring 2018

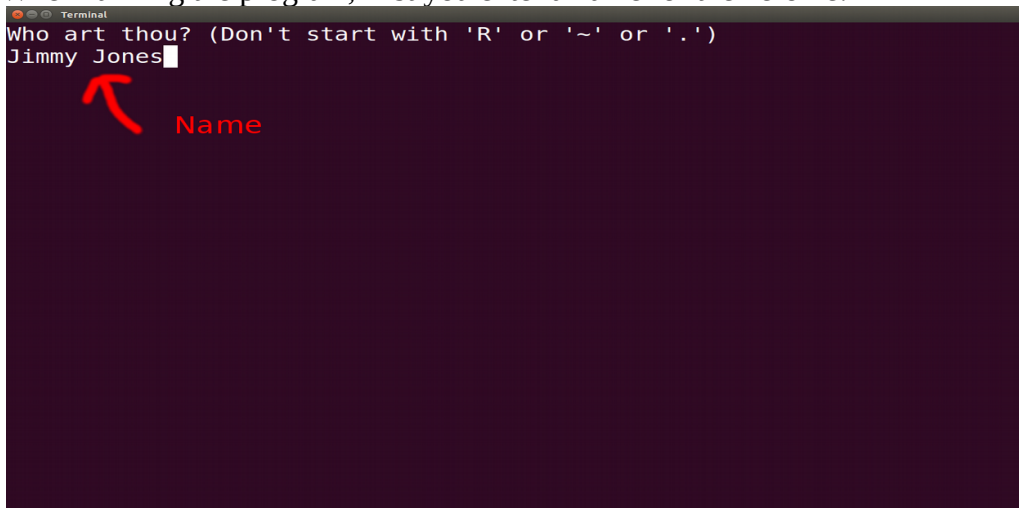
**Due Date: Thursday, April 5, 2018 before 11:55pm.**

**Instructions:** This is an individual homework assignment. There are two problems worth 20 points each. Solve the problem below by yourself (unlike the labs, where you work collaboratively), and submit the solution as a C++ source code file. Here are a few more important details:

1. Unlike the computer lab exercises, this is not a collaborative assignment.
2. Because all homework assignments are submitted and tested electronically, the following are important:
  - You follow any naming conventions mentioned in the homework instructions.
  - You submit the correct file(s) through Moodle by the due deadline.
  - You follow the example input and output formats exactly given in each problem description.
  - **Regardless of how or where you develop your solutions, your programs compile and execute on cselabs computers running the Linux operating system.**
3. You should test your program on other test cases (that you make up) as well. Making up good test cases is a valuable programming skill, and is part of ensuring your code solution is correct.

All of these problems relate to “HeroineQuestV2.cpp”. This is a rather large piece of code, so you should try to familiarize yourself with it before attempting to solve the problems. You do not need to understand every part of the code to solve the problems, just the general structure of the code. (Note: the left-hand side of geany (under “Symbols”) lists the functions (and variables), which can allow you to jump around to them in the code quickly.)

When running the program, first you enter a name for the heroine:



```
Terminal
Who art thou? (Don't start with 'R' or '~' or '.')
Jimmy Jones
```

A red arrow points from the word "Name" to the input "Jimmy Jones" in the terminal screenshot.









