

CSci 1113: Introduction to C/C++  
Programming for Scientists and Engineers  
Homework 8  
Fall 2018

**Due Date: Wednesday, November 28, 2018 before 11:00pm.**

**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.

**Problem A: People & Dates** (20 points)

A main() function is provided in “peopleDates.cpp” on the class website. Modify the code so it compiles and outputs the correct oldest person and youngest person. **You cannot change main() to accomplish this and must use the main() provided.** You are supposed to only add additional code to make the program work.

Example 1 (user input underlined):

```
What file?  
ppl.txt  
Oldest person:  
Spirit, born: 6/30/1999  
Youngest person:  
Lei, born: 4/2/2014
```

When you are done, name the source code file <username>\_8A.cpp. Here you replace <username> with your U of M email address; for example, if your email address is smithx1234@umn.edu, your file should be named smithx1234\_8A.cpp. Then submit your program using the HW 8 Problem A submission link in Moodle.