

Basics 5 – Inheritance

Due Date

- See Piazza for any changes to due date and time
 - Friday by midnight
 - Grading the next day Saturday Morning
- Submit program to perform in your student directory
 - Sub directory called:
 - /Basics5/...
 - Fill out your **Basics5 Submission Report.pdf**
 - → Use Adobe Reader ←
 - Enter the final Changelist number of your submission
 - Enter the number of test passed
 - Write up a quick discussion in the report
 - What you learned from this Basics

Goals

- Inheritance
 - Public
 - Initialization order
 - Side effects
 - Multiple Inheritance
 - Not that scary or is (getting close to Halloween?)
 - Increasing C++ knowledge and understanding

Assignments

- General:
 - Modify / Add code to the functions in the following files:
 - `wrapper.h`
 - `A.h`
 - `C.h`
 - `E.h`
 - `M.h`
 - Follow the instructions provided
 - comment section in the function
 - Run the Unit Tests to verify progress / success
 - 5/5 is the best for this program

- Check in the problems multiple times, at least 3 times for this Basics assignment
 - Have reasonable check-in comments
- Make sure that your program compiles and runs
 - Warning level ALL sometimes that is not possible due to MS headers...
 - There are corrections around windows headers
 - Your code should be squeaky clean.
- Submit program to perform in your student directory
 - Sub directory called: /Basics5/...

Validation

Simple checklist to make sure that everything is checked in correctly

- Did you do all run all unit tests problems?
- Do they compile and run without any errors?
- Warning level /Wall free?
- Submitted it into /Basics5 directory - without the extra files?
- Submit the submission report?
- Can you delete your local drive, regrab the Basics5 directory?
 - Is all the code there, so that it compiles?

Hints

Most assignments will have hints in a section like this.

- This is very easy Basic assignment
 - Only thing that might slow you down "Understanding multiple inheritance"
 - Read the book
- I expect this assignment to be completed quickly for most of the students
 - Please make sure you fully understand the commands in this code
 - Look at the memory layout to understand what is really going on.
 - Many little lessons here for those who put in the effort.
- Why do programmers love Halloween and Christmas?
 - OCT 31 == DEC 25
- Enjoy