

Basics8 – Templates

Due Date

- See Piazza for due date and time
 - Grading the next day
- Submit program to perform in your student directory
 - Sub directory called:
 - /Basics8/...
 - Fill out your **Basics8 Submission Report.pdf**
 - Place it in the same directory as your solution
 - 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

- Templates in C++
 - Understand Templates
 - Understand Argument deduction
 - Understand Overloading templates
 - Understand Call Templates
 - Understand Full Specialization
 - Understand Partial Specialization

Assignments

- General:
 - Have fun learning Templates bigger and better, dig into the books:
 - Answer the questions about Templates for each problem:
 - Fill in the answers to:
 - A() - G()
 - For this assignment you will not be able to run as is
 - Comment out,
 - Conquer and Divide
 - Follow the directions
 - This is an extra credit problem
 - All have to work or NO credit
 - ALL must by 0 warnings!
 - it's possible

- Learn Templates - not that hard, but looks confusing
 - Read and learn
 - I left bread crumbs everywhere
 - Hunt and research the material
 - You are ninjas
 - So go kill this assignment
- If you are unhappy with this Template assignment
 - Blame the Language developers....
 - xoxoxoxo - Ed
- Make sure that your program compiles and runs
 - Warning level 4 - warning free.
 - Your code should be squeaky clean.
- We are using Perforce
 - You should have received the document describing how to login.
 - Please look at the documentation and videos under the reference directory
 - Submit program to perforce in your student directory
 - Sub directory called: /Basics8/...
 - As described above
 - All your code must compile from perforce with no modifications.
 - Otherwise it's a 0, no exceptions

Validation

Simple check list to make sure that everything is checked in correctly

- Did you do answer all the questions (initial answers are incorrect)?
- Do they compile and run without any errors?
- Warning level 4 free?
- Submitted it into /Basics8 directory - without the extra files?
- Can you delete you local drive, regrab the Basics8 directory?
 - Is all the code there?

Hints

Most assignments will have hints in a section like this.

- This is pretty easy Basic assignment
 - Learn Templates by look at the C++ Template book
 - Sometimes it may not be obvious
- I expect this assignment to be completed quickly for most of the students
 - Please make sure you fully understand this code without a debugger.
 - Many little lessons here for those who put in the effort.
- Enjoy