

Final Touches: Multiple-File Programs, Inheritance, Templates

- Multiple-File Programs
 - header files
 - implementation files
 - main-program file)
- Inheritance in C++
- Templates in C++

Why Multiple Files

- Re-use
- Better data abstraction (data hiding)
- More manageability of large programs

The Multiple-File Approach

- Have each major class as a separate program
 - **Re-use:** The class can then be used by other programs using the **#include** macro instead of the copy-&-paste approach
- Put the class/function declarations in a header (.h) file, and the class/function implementations in another (.c or .cpp) file. This achieves data hiding.