

EECS402 Compiling and Running

Andrew M. Morgan

M

Compiler/Linker Used For This Course

- There are many compilers available
- For this course, we use a compiler named "g++", available on the UNIX operating system
- Usage:
 - g++-Wall filePrefix.cpp -o filePrefix
 - -Wall means to display all warnings detected (some are suppressed by default)
 - -o <fileName> specifies the name of the resulting output (executable) file
- Example:
 - g++-Wall genResults.cpp -o genResults
 - Compiles and links the C++ source code in a file named genResults.cpp and creates an executable file named genResults
- Output executable is only created if no compile or link errors are found!

Andrew M Morgan



Fixing Compile Errors • ALWAYS start with the first error!! - Later errors are often a result of the compiler getting confused from earlier errors • Usually try to fix the first error and then re-compile - Don't try to track down the first 10 errors without compiling in between - Since later errors often result from prior errors, you could be looking for an error that isn't really there • The line number provided by the compiler is an indication of where the problem is - The error is actually often one or more lines prior to the line number reported











