

# MEEM 5408 Design Automation: Theory and Implementation

## ASSIGNMENT 1 - FALL 2004

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Write, compile and document a C++ program to print “Hello world, this is <name>!”, where <name> is your name. Use “cout” to print to a UNIX terminal.

The program and documentation must be developed individually. You may discuss how to do something with others, but you may not look at source code or reports from others, and they may not look at yours.

Write up a report with separate sections:

- **Summary:** What the report is about,
- **Program Description:** What the program does,
- **User Instructions:** How to use the program. Include example output.
- **Compiling Instructions:** How to compile the program. Assume the files are being sent to someone else.
- **Implementation:** Explain the code itself. Attach code as appendix.
- **Conclusions.**
- **Appendix:** Attach the code

The source code must be fully documented, including:

- The course and assignment name,
- The owning organization (e.g. MTU),
- Copyright notification,
- The file name,
- The module it is a part of,
- The libraries that are required to compile and link it,
- Author names,
- A short overview of the code including the names of classes and functions.

The maximum length of the report is 2 pages, not including the source code in the appendix. **The report and source code will be evaluated for style, neatness, correctness and efficiency.**

Email the source code to me at [bettig@mtu.edu](mailto:bettig@mtu.edu). The report must be handed-in in class. The report and source code are due Sept. 7.