CS-731 Lecture 14

March 20, 2001

Administrivia

- Assignment 3 is due by midnight March 22.
 - Late penalty of 1% per day until March 29;
 after that the project will not be accepted and you will get a grade of zero for the assignment.
- There will be a midterm exam on 4/3.
- Assignment 4 will be due 4/5.

My Makefile - 1

\$ld: Makefile,v 2.1 2001/03/18 05:22:33 vickery Exp \$

Makefile for the qsh project

\$Log: Makefile,v \$

Revision 2.1 2001/03/18 05:22:33 vickery

No change from version 1.4.

Revision 1.4 2001/03/15 22:57:37 vickery

Added depend rule and added header file dependencies

using it. Added removal of read-only versions of source

and header files, as well as Makefile.

Revision 1.3 2001/03/15 19:15:26 vickery

Changed name of sh_exit.cc to sh_builtins.cc.

Added "depend" target and added SRCS rule, with OBJS derived

from it, for use in the makedepend command.

My Makefile - 2

Makefile Notes

- Form of log file messages.
- Introduced HDRS variable.
- Command for *qsh* target is linker-only.
 - No need for CFLAGS or CXXFLAGS
 - Note use of CXX, which must be defined in the user's environment.
- The *depend* rule depends on the sources and header files being present in the directory.
 - Note use of "-- \$(CFLAGS) --"
- The *clean* rule uses a shell script to remove read-only versions of source header files, and to issue messages for writeable (locked) versions.
 - Script is executed by Bourne shell (sh).
 - Use "@" to suppress printing of the command.
 - Uses ';' to separate commands and '\' to continue across lines.

Compiler Driver Options

- Preprocessor Options
 - -D \underline{xxx} [= \underline{yyy}] Define preprocessor variable \underline{xxx} .
 - -Ixxx Search directory xxx for header files.
- Compiler Options
 - -g Keep symbol table in object module for use by debugger.
 - -Wall Display all warnings for questionable coding practices.
- Linker Options
 - -l<u>xxx</u> Search library lib<u>xxx</u> for needed modules.
 - -Lxxx Search directory xxx for libraries.