

CSC 243 - Java Programming

Debugging with `jdb`

jdb

- jdb is a command line debugger for Java
- Basic steps to use the debugger:
 - 1 Compile the program with the -g option
`javac -g Program.java`
 - 2 Start the debugger
`jdb Program`
 - 3 Set breakpoints
 - 4 Run the program in the debugger

Basic jdb Commands

- **run**: start the main class
- **stop in <class>.<method>**: set a breakpoint in a method
- **stop at <class>:<line>**: set a breakpoint at a line
- **step**: execute the current line and step into method calls
- **next**: execute the current line
- **list**: print the source code
- **locals**: print all local variables in the current stack frame
- **print**: display Java objects and primitive values
- **cont**: continue to the next breakpoint
- **help**: list commands