

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