# CMSC 131 Lab, Notes Week 9, Mon

## Notes for TAs

* 1. Every week after Wednesday’s lab please send us an email letting us know how things went in lab. Please include a brief summary of what questions you think they still have, what went well, what didn't, etc.
  2. Please do not provide these lab notes to the students.

## Lecture Material

* 1. Address any questions about the material covered in class.
  2. Review exceptions using the Throwing.java example (this is part of the lecture examples).

## Debugger

* 1. Ask students to pair up and download the code available at:

<http://www.cs.umd.edu/class/fall2015/cmsc131/content/labs/Week9/Debugging131.zip>

* 1. Ask students to try debugger features by using the “Debug” perspective in Eclipse. Please show a feature and give them time to try it. Make sure you illustrate how to change from the “Debug” perspective to the “Java” perspective and vice versa.
  2. First use the **Utilities** class to show:
  3. Setting breakpoints
  4. Stepping through
  5. Stack
     1. How to change to different stack entries.
  6. Looking at parameters/local variables through the debugger.
  7. Next use the **Student** class to show:

1. Setting breakpoints
2. Stepping through to see initialization done by the constructor.
3. Looking at parameters/local variables/instance data through the debugger.
4. Color scheme used to identify private (red) and public (green).
5. Looking at constants and other class members.

## Office Hours

* 1. Hold in-lab office hours if you have any time left. Any students without any questions can leave.
  2. Address any questions students may have. Don’t stay sitting at the front desk; go around asking students whether they have any questions.