

The background of the slide is a grayscale image of a circuit board. It features a complex network of black lines representing traces and several solid black circles representing vias or components. The circuitry is arranged in a somewhat symmetrical, horizontal pattern. A solid black horizontal band runs across the middle of the image, partially obscuring the circuit board design. In the center of this dark band, the text 'CMSC 131' is displayed in a large, white, sans-serif font. Below it, the text 'Fall 2018' is written in a smaller, green, monospaced font.

CMSC 131

Fall 2018

Announcements

- Project #2 is due Tomorrow
- Exam #1 is Monday 10/8
- Friday – let's review (BRING QUESTIONS!)
- Next Project assigned on 10/8

Static Methods vs. Instance Methods

- What do these terms mean?
 - instance methods
 - Typical syntax for call
 - Syntax for call from another instance method of the same class
 - static methods
 - Typical syntax for call
 - Optional syntax from within the same class

Instance Variables vs. Static Variables

- local variables
 - What are they and where are they stored
 - Syntax
- instance variables
 - What are they and where are they stored?
 - Typical syntax for access
 - Syntax for access from an instance method of the same class
- static variables
 - What are they and where are they stored?
 - Typical syntax for access
 - Optional syntax from within the same class

Initialization of Variables

Local variables are not given default values

Instance and static variables are given default values.

- What are the values?
 - How can we “override” these values?
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- Example (Instance vs. Static and initialization)

Dog.java, DogDriver.java