Program 2 In-Review

COMP 110
Summer II 2012

Peter Lincoln
7/13/2012
Announcements

- Program 3 was Due at 9:45 am
Questions?

- Yesterday:
  - Midterm In-Review
  - Designing & Overloading Methods
A Few Notes on Lab 6

- In `initializeSmiley`, you can remove the reference to `Scanner`
  - You’re supposed to use `JOptionPane`, so `Scanner` isn’t needed

- Don’t worry about the Serial Version ID warning, either
  - Ignore it
  - Generate it

- Due on Monday
Today in COMP 110

- Program 2 In-Review
- Lecture
  - Inheritance
- Program 4 Announced
Common Issues

- **Missing Assignment Requirements**
  - Format result to 2 decimal places
    - `DecimalFormat df = new DecimalFormat("0.00");`
    - `df.format(result)`

- **Divide by zero check**
  - Division
  - Modulus

- **Modulus Required Integer Casting**
  - `result = (int)operand1 % (int)operand2;`
Exponentiation

- Required parameter validation and loops

- 5 Points Possible
  - [1] Positive Exponents
  - [1] 0 Exponent
    - Initialize result to 1
  - [2] Negative Exponents
  - [1] Special Case Handling
    - $0^0$, $0^{-x}$
Unknown Operator

- Two Easy Options
  - else block at the end of a large if/else if/else if/... block
  - A default case in a switch statement
Recurring Common Issues

- Missing Comments
- Poor Indentation
Questions?
Logistics

Next:
- Inheritance

Later:
- Program 4 Discussion