Session 2 (Java 1) Instructor Notes

1. Review **Account**.java solution
2. Review **Employee**.java homework solution
3. Review static vs. instance
4. Classes Exercise:

Rectangle

Create a **Rectangle** class with instance variables (attributes, state) for the length and width, both floating point numbers. The class should have at least two constructors. The default constructor, **Rectangle**(), should initialize the instance variables to 1.0. The class should have setters and getters; the setters must ensure that the parameters are between 0.0 and 50.0. The class should have methods that return the perimeter and the area of the shape. Create an application that instantiates at least as many objects as constructors in **Rectangle** and exercises all methods of **Rectangle**.

5. Operator precedence p.56

6. Exercises on p.64 and in-class assignment to do the exercises in a program

7. Class-Responsibility-Collaborator (CRC) concepts

8. Private access modifier

9. Subclasses

10. Demo code (X project)

11. Homework overview