Overview of Week 7

#	Date	Lectures	iPad Notes	Study Materials
7	MON, Mar 1 to SUN, Mar 7	▶ **Playlist for Week 7** • Week 7 - Intro • Lecture 4 - Part A1 - Object Orientation: Observe, Model, and Execute • Lecture 4 - Part A2 - Modelling Entities, Templates vs. Instances • Lecture 4 - Part A3 - Method Kinds, Parameters vs. Arguments, Validity of Method Calls • Lecture 4 - Part A4 - Constructors, Accessors, Mutators, this • Lecture 4 - Part A5 - Tracing/Visualizing Programs, Illegal Usages of Accessors/Mutators • Lecture 4 - Part B1 - Aliasing, Copying Values: Primitive vs. Reference • Lecture 4 - Part B2 - Example: Referencing Aliasing and Arrays	INTRO NOTES	• Weekly Java Tutorials ▪ Week 7 Part A to Part C1 ▪ iPad notes • Slides ▪ Lecture 4: Classes and Objects (**Slides 1 to 48**) [last updated: **Feb 28**] ▪ Lecture 4: Classes and Objects [4-up] • Questions? ▪ Post Your Questions in this Document. • Source Code ▪ (Part of) Lecture 4 Examples [last updated: **Feb 28**] ▪ Practice the assigned **debugger** exercises. • **Required** Written Notes ▪ Inferring Classes from JUnit Tests ▪ Declaring and Manipulating Reference-Typed, Multi-Valued Attributes • Extra Practice from EECS1021-W19 ▪ Video 34 to Video 38 (classes and arrays)

Handwritten annotations:
- 1. re-iterate 2. complement.
- [], loops.
- aliasing (not a repetition of tutorials).

Lectures Site:

https://www.eecs.yorku.ca/~jackie/teaching/lectures/index.html#EECS1022_W21

Learning Objectives of Week 7

- Object Orientation
- Classes vs. Objects
- Attributes, Constructors, Accessors, Mutators
- this, Context Object, new, dot Notation
- Tracing and Visualizing OO Programs

templates vs. instances
↳ classes   ↳ objects.

obj. _____?

Milestones of Week 7

- Get ready for Written Test 2
- Start Lab6
- Complete Java Tutorial Week 07 Parts A to C1
- Complete Lecture Series W7
- **Written Notes:**
    + Inferring Classes from JUnit Tests
    + Manipulating Reference-Typed, Multi-Valued Attributes
- Extra Practice:
    + Classes & Objects: Videos 34 - 38 of Java Tutorial (W19)

1. lectures
2. tutorials.