

Object-Oriented Programming 2nd Weekly Note (E13, Week 46)

Reading for Week 46

Sections 2.4.4, 2.5.6–2.5.7, 3.3, 3.4.1–3.4.3, 3.7.1–3.7.2, 4.2.4, 4.3.3, 4.3.5–4.3.6, 4.5, 4.7, 5.1, 5.2.1–5.2.2, 5.3, 5.5, 5.6, 5.7.1, 5.7.4–5.7.5 of “Introduction to Programming Using Java”

Lecture: Monday, November 11, 08-10 (U27)

In the third lecture, we will learn how to express more advanced constructs of imperative object-oriented programming languages in Java. I.e., we will learn about for-each loops, classes, objects, and methods. We will also start to look at advanced object-oriented features such as inheritance, abstract classes, and interfaces.

Lab: see detailed schedule on course home page

Solve Exercises 2.1, 2.2, 2.4, and 2.5 from the course book and take the quiz for Chapter 2 for all questions that you were supposed to read up on. Then solve Exercises 3.1–3.4. In all cases where `TextIO` is used, use the `Scanner` class instead.

Then solve as many of the following exercises from the supplementary reading “Think Java” as possible: Exercise 3 of Chapter 1, Exercises 1–3 of Chapter 2, Exercises 2–4 of Chapter 3, and Exercises 3–5 of Chapter 4.

Discussion: see detailed schedule on course home page

Solve Exercises 3.5, 4.1–4.4 from the course book and implement the Quizzes 8–10 for Chapter 4. Then solve Exercises 5.2, 5.1, 5.3. Then implement Quizzes 7, 11, and 12. If you are fast, solve also Exercises 5.4–5.6.