

Reading instructions for Cay Horstmann, *Big Java Late Objects*

Exercises are from Fadil Galjic: *Programming Principles in Java – Exercises*. Exercise 1.2 means chapter 1, exercise 2.

Read Horstmann with discrimination, not every word is critical. The book does not map completely to the lecture series, which explains the sometimes repeated chapters.

Focus on the exercises.

Lecture 1: A Java program

Chapter 1

Lecture 2: Data storage

Chapter 2, pgs 30-40
Do exercise 2.5

Lecture 3: Standard input and operations on primitive values

Chapter 2, pgs 41-63, 2.3 (48-50)
Chapter 3.2 (88-93), 3.7 (111-116)
Do exercises 3.1 and 4.3

Lecture 4: Logic

Chapter 3: pgs 82-88, 96-104
Chapter 4.
Do exercise 5.7

Lecture 5: Vectors (Arrays)

Chapter 6: pgs 250-267
Do exercise 6.3

Lecture 6: Methods

Chapter 5.
Do exercise 7.6

Lecture 7: A class library

Appendix D:
java.lang.Character (880)
java.lang.Integer (881-882)
java.lang.Math (882-884)
java.lang.String (885-886)
java.lang.System (886)
java.util.Arrays (894)
Chapter 7.4 (337-346)
Do exercise 8.3

Lecture 8: Algorithms (1/2)

Read chapter 9 (sections 9.1 – 9.5) in Fadil Galjic, *Programming Principles in Java*.
Do exercise 9.1

Lecture 9: Objects (1/2)

Chapter 8.
Do exercise 10.4

Lecture 10: Algorithms (2/2)

Read chapter 9 (sections 9.6 – 9.7) in Fadil Galjic, *Programming Principles in Java*.
Do exercise 9.3

Lecture 11: Objects (2/2)

Chapter 9.
Do exercise 10.8

Lecture 12: Exceptions

Chapter 7.4 (yep, again)
Appendix L, Exceptions (951-952)
Do exercise 11.3

Lecture 13: In- and output

Chapter 7.1-7.3
Chapter 19
Do exercise 12.2

Lecture 14: Creating new object types (1/2)

Chapter 12
Do exercise 13.3

Lecture 15: Creating new object types (2/2)

Chapter 10.2 (Inner classes: 479-481)
Do exercise 13.12

Lecture 16: Developing new objects types

Chapter 8 and 12
Do exercise 14.1

Lecture 17: Inheritance

Chapter 9
Do exercise 15.1

Lecture 18: Class hierarchies

Chapter 9.5
Do exercise 16.1

Lecture 19: Class hierarchies and interfaces

Chapter 18

Chapter 9.6

Do exercise 17.8

Lecture 20: Interfaces

Do exercise 17.13