

# Java By Abstraction Companion Notes – Chapter 1

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## LEGEND

**JD = Java Details**

**PT = Programming Tip**

**IMD = In More Detail**

**Ex = Example**

wrt = with respect to

### Section 1.1.1-1.1.2; JD 1.1-1.3; PT 1.1-1.5

- Read these sections and note that this material is the starting point for programming literacy that can develop only with continued exposure to Java code.
- further to PT 1.2, the coding convention is provided in Appendix C, which will be the coding convention for the course

### Section 1.1.3; PT 1.6; IMD 1.1-1.2

- what is described about Java in these sections stands in contrast to the variant of Python and the JES environment you used in CSE1710 – do you understand the difference?

### Section 1.2; PT 1.7-1.9; IMD 1.3-1.6; JD 1.4-1.5; Ex 1.2

- Read 1.2, 1.2.1, PT 1.7, IMD 1.4
- Section 1.2.2, IMD 1.3; JD 1.4 – these all pertain to the primitive data types. Can briefly skim these or set aside for now – we will return to this material that pertains to primitive data types *after* we have covered some other concepts about nonprimitive data types.
- Section 1.2.3 – this pertains to the memory management of variables of primitive data types. Can briefly skim these or set aside for now – we will return to this material that pertains to primitive data types *after* we have covered some other concepts about nonprimitive data types.
- Section 1.2.4, IMD 1.5-1.6; JD 1.5; PT 1.8-1.9 – set aside for now
- Read section 1.2.5. The section refers to eight data types as having been introduced. We will be talking about the primitive data types later. For now, you should simply note that they exist and we will make use of them in a limited way for now (since they are included in several of the examples from the text book). For the time being, we will focus on the first of the three types of nonprimitive types: *classes*.

### Section 1.3; PT 1.10-1.11; IMD 1.7-1.8; Ex 1.3-1.6

- You can briefly skim these or set aside for now – this material pertains to expressions that are composed of primitive operands and operators. We will return to this material at a later point in the course.