

CSE110 Topic Wise Mapping

Books Link:	Java Books					
Topics	Java The Complete Reference (12th Edition)		Head First Java (3rd Edition)		Introduction to Java (12th Edition)	
	Chapter	Section/ Part and Page No.	Chapter	Section/ Part and Page No.	Chapter	Section/ Part and Page No.
Basic Flowchart	N/A	N/A	N/A	N/A	N/A	N/A
Introduction to Java	Chapter 2	>Pg 10 (Java's Magic the bytecode) >From " First Simple Program" (pg 27-31) >From "Using Blocks of code " to "Java Keywords" (pg 34-38)	Chapter 1	Pg : 2 Pg : (7-9)	Chapter 1	Chapter - 1.6,1.7,1.8 (Pg 11-16)
Variable & Datatype	Chapter 3	>Pg: 39-45 >From " Variables" (pg 48 -55)	Chapter 3	Pg : 49-53	Chapter 2	Chapter - 2.4,2.5,2.6,2.7,2.8,2.9(table 2.1 only) , 2.9.3, 2.10.1, 2.10.2, 2.16 ,
Operator	Chapter 4	>Pg: 67- 75 (until left shift) >From "Relational Operator" (pg 80-83) >Pg : 85 (Operator precedence)	N/A	N/A	Chapter 2 Chapter 3	Chapter 2- 2.9.2 (table 2.3 only), 2.12, 2.14, 2.15 Chapter 3 - 3.2 (table 3.1) , 3.10 , 3.14 , 3.15
Branching	Chapter 5	Pg: 87-90	Chapter 1	Pg :15	Chapter 3	Chapter - 3.3, 3.4
Nested Branching	Chapter 5	Pg : 89	N/A	N/A	Chapter 3	Chapter - 3.5
Loop (While)	Chapter 5	From "Iterational Statements" (Pg 95-99)	Chapter 1	Pg: 13-14	Chapter 5	Chapter- 5.1, 5.2 , 5.4 , 5.6,
Loop (For)	Chapter 5	Pg: 99-103	N/A	N/A	Chapter 5	Chapter - 5.7
User Inputs, Understanding errors	User Input: Chapter 21	from "Scanner" part. (pg 691 - 695)	N/A	N/A	Understanding errors: Chapter 1	Programming Errors, part 1.10.1 - 1.10.6 (pg 19 - 23)
	Understanding Errors: Chapter 1	from "Robust" part. (pg 13 - 14)				
Nested Loop	Chapter 5	"Nested Loops" (pg: 109)	N/A	N/A	Chapter 5	Chapter - 5.9
Break, Continue Keywords	Chapter 5	> "Using Break" (Pg: 109-111) > "Using Continue " (Pg 113 - 114)	N/A	N/A	Chapter 5	Chapter - 5.12
String	Chapter 3	String literals (page 47), A Few Words About String (pg 65)	N/A	N/A	Chapter 4	Characters, and Strings. part 4.3 - Character Data Type and Operations, 4.4 - The String Type (pg 126 - 140). Optional: part 4.5: Case Studies (pg 140 - 146)
	Chapter 7	Exploring the String Class (pg 160 - 161)				
	Chapter 18	String Handling (pg 483 - 502)				
Array	Chapter 3	Arrays, One-Dimensional Arrays (pg 55 - 57), Alternative Array Declaration Syntax (pg 62) Optional: Multidimensional Arrays (pg 58 - 57)	Chapter 3	An array is like a tray of cups (pg 59)	Chapter 7	part 7.1 - 7.11 (pg 249 - 273)
Sorting	N/A	N/A	N/A	N/A	Chapter 23	Chapter 23: Sorting, part 23.1 - 23.3 (pg 887 - 892)
Method	Chapter 6	Introducing Methods (pg 123 - 129)	Chapter 10	pg 276 - 278	Chapter 6	Chapter 6: Methods, part 6.1 - 6.7 (pg 205 - 221), 6.9 (pg 224 - 225)
Recursive Method	Chapter 7	Chapter 7: Recursion (pg 147 - 149)	N/A	N/A	Chapter 18	Chapter 18: part 18.1 - 18.9 (pg 719 - 740)
File I/O	Chapter 13	from "Reading and Writing Files" (pg 324 - 333) Optional: pg 315 - 324	Chapter 16	from "Writing a String to a Text File" (pg 559 - 569)	Chapter 12	The File Class. part 12.10 and 12.11 (pg 447 - 486)
					Optional: Chapter 17	Random Access Files. part 17.7 (pg 711 - 714)
Pointers, Values and Addresses	N/A	N/A	Chapter 3	object references (pg 54 - 58)	N/A	N/A