

Hour	Unit	Topic	Teaching Methodology	Remarks
1	I	Evolution of Java, Java Buzzwords	Whiteboard	
2	I	Java Virtual Machine (JVM)	Whiteboard	
3	I	Overview of Java, Simple Java Program	Whiteboard	
4	I	Naming Conventions in Java	Whiteboard	
5	I	Data Types and Variables	Whiteboard	
6	I	Expressions and Automatic Type Conversion	Whiteboard	
7	I	Operators	Whiteboard	
8	I	Control Statements	Whiteboard	
9	I	Arrays	Whiteboard	
10	I	Strings	Whiteboard	
11	II	Class Fundamentals, Declaring Objects	Whiteboard	
12	II	Initializing Instance Variables, Access Control	Whiteboard	
13	II	Constructors in Java	Whiteboard	
14	II	Methods in Java	Whiteboard	
15	II	Overloading Methods and Constructors	Whiteboard	
16	II	Static Methods and Recursion	Whiteboard	
17	II	final Keyword and this Keyword	Whiteboard	
18	II	Garbage Collection and finalize() Method	Whiteboard	
19	III	Inheritance Basics and Types	Whiteboard	
20	III	super Keyword and Final with Inheritance	Whiteboard	
21	III	Method Overriding and Dynamic Method Dispatch	Whiteboard	
22	III	Abstract Classes	Whiteboard	
23	III	Interfaces and Multiple Inheritance	Whiteboard	
24	III	Abstract Classes vs Interfaces	Whiteboard	
25	IV	Packages and Their Types	Whiteboard	
26	IV	Access Protection and Importing Packages	Whiteboard	
27	IV	Exception Handling Fundamentals	Whiteboard	
28	IV	throw Clause and throws Clause	Whiteboard	
29	IV	Built-in Exceptions	Whiteboard	

30	IV	User Defined Exceptions	Whiteboard	
31	V	Java Thread Model and Main Thread	Whiteboard	
32	V	Creating and Running a Thread	Whiteboard	
33	V	Terminating Threads	Whiteboard	
34	V	Creating Multiple Threads	Whiteboard	
35	V	Thread Synchronization	Whiteboard	
36	V	Thread Priorities	Whiteboard	
37	VI	Applet Basics and Life Cycle	Whiteboard	
38	VI	A Simple Applet Program	Whiteboard	
39	VI	HTML Applet Tag	Whiteboard	
40	VI	Applet Parameters	Whiteboard	
41	All	Unit I & II Revision	Whiteboard	
42	All	Unit III & IV Revision	Whiteboard	
43	All	Unit V & VI Revision	Whiteboard	
44	All	Sample Problems & Code Walkthroughs	Whiteboard	
45	All	Previous Year Question Discussion	Whiteboard	
46	All	In-Class Quiz or MCQ Discussion	Whiteboard	
47	All	Viva Practice Questions	Whiteboard	
48	All	Final Q&A + Wrap-Up	Whiteboard	