

Java Standard Edition	
No	Lesson
1	<p>A First Look</p> <ul style="list-style-type: none">• A Simple Java Class• Java's "Hello World" Program
2	<p>Java Basics</p> <ul style="list-style-type: none">• Language and Platform Features• Program Life Cycle• The Java SE Development Kit (JDK)
3	<p>Class and Object Basics</p> <ul style="list-style-type: none">• The Object Model and Object-Oriented Programming• Classes, References, and Instantiation• Adding Data to a Class Definition• Adding Methods (Behavior)
4	<p>More on Classes and Objects</p> <ul style="list-style-type: none">• Accessing data, the "this" variable• Encapsulation and Access Control, public and private Access• Constructors and Initialization• Static Members of a Class• Scopes, Blocks, References to Objects
5	<p>Flow of Control[briefly due to attendee experience]</p> <ul style="list-style-type: none">• Branching: if, if-else, switch• Iteration: while, do-while, for, break, continue

6	<p>Strings and Arrays</p> <ul style="list-style-type: none">• String, StringBuffer, StringBuilder• Arrays, Primitive Arrays, Arrays of Reference Types• varargs
7	<p>Packages</p> <ul style="list-style-type: none">• Package Overview - Using Packages to Organize Code• Import statements• Creating Packages, package Statement, Required Directory Structure• Finding Classes, Packages and Classpath
8	<p>Composition and Inheritance</p> <ul style="list-style-type: none">• Using Composition to Deal With Complexity• Composition/HAS-A, Delegation• Using Inheritance and Polymorphism to share commonality• IS-A, extends, Inheriting Features, Overriding Methods, Using Polymorphism• Class Object• Abstract Classes
9	<p>Interfaces</p> <ul style="list-style-type: none">• Using Interfaces to Define Types• Interfaces and Abstract Classes
10	<p>Exceptions</p> <ul style="list-style-type: none">• Exceptions and the Exception Hierarchy• Try and catch• Handling Exceptions• Program Flow with Exceptions• Finally

11	JDBC <ul style="list-style-type: none">• JDBC basics• JDBC Architecture• Using JDBC drivers & DriverManager• Class Connection and connecting to a database• Class Statement and executing SQL statements• Other statement types• Driver types
12	Java Collections and Generics <ul style="list-style-type: none">• The Collections Framework and its API• Collections and Java Generics• Collection, Set, List, Map, Iterator• Autoboxing• Collections of Object (non-generic)• Using ArrayList, HashSet, and HashMap• For-each Loop• Processing Items With an Iterator• More About Generics
13	Additional Java Features <ul style="list-style-type: none">• Assertions• Type-safe Enums• Annotations• Additional Features in Java 6 and Java 7
14	Conclusion