



Embedded Technosolutions

Venture of IIT Bombay & VJTI Alumni

A Government of India Approved Organization

Summer Training Program - 2017

Professional & Advanced Java



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Branches : Thane , Neru , Borivali



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Course Syllabus

Module 1 : Getting Started with Java

- 1.1 Introduction to Java.
- 1.2 What is Java?
- 1.3 Java Virtual Machine.
- 1.4 Differentiate JVM JRE JDK JIT

Module 2 : Java Basics

- 2.1 Hello World Java Example.
- 2.2 Basic Variables & Datatype in Java.
- 2.3 Basic Comments in Java.
- 2.4 Basic Operators in Java.
- 2.5 Control Statements in Java.
- 2.6 Array in Java.
- 2.7 Objects and Classes in Java.
- 2.8 Methods in Java.
- 2.9 Constructors in Java

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Module 3. Java Object Oriented

- 3.1 Java Inheritance
- 3.2 Java Overriding
- 3.3 Java Polymorphism
- 3.4 Java Abstraction
- 3.5 Encapsulation in Java
- 3.6 Java Interface

Module 4 : Important Keyword Utilization

- 4.1 static keyword in java
- 4.2 final keyword in Java
- 4.3 this keyword in Java
- 4.4 super keyword in Java
- 4.5 instance initializer block.

Module 5 : Java Exception Handling

- 5.1 Exception Handling
- 5.2 try & catch block and Handling Exceptions
- 5.3 Multiple and Nested try catch block Handling
- 5.4 finally block in Java

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5.5 row keyword in java

5.6 throws keyword in Java

Module 6 : Advanced Exception Operations

6.1 Exception propagation in Java

6.2 Handle exceptions in overriding methods in Java

6.3 User defined Exception in Java

6.4 Multiple Exceptions In Java 7 New Concept

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