SIX WEEKS TRAINING ADVANCED JAVA
IDE: Eclipse, Sublime and NetBeans
Database: MySQL

Introduction to Java:
- History & Need of Java
- Features/Advantages of Java
- JVM Architecture
- Packages in Java

Programming in Java:
- Programming Structure
- Variables/Constants
- Data types in Java
- Various operators
- Access Specifiers & Modifiers
- Branching & Looping

Methods in Java:
- Introduction to Methods
- Argument passing mechanism
- Arrays
- Wrapper Classes & Manipulating Strings

OOP'S Principle:
- Basic principles of OOPS
- Class & Object
- Access modifiers
- Constructors & destructors
- Static members

Inheritance & Polymorphism:
- Inheritance & polymorphism
- Method Overloading & Overriding
- Abstract class
- Multiple inheritance
- Interfaces

Packages & Exception Handling:
- Packages in Java
- Importing packages
- Exception Handling
- Built-in Exceptions
- User defined Exceptions

Windows Programming:
- Introduction to GUI Programming
- Introduction to Swings
- Layout Managers
- GUI Programming using Swings

Event Handling:
- Event handling mechanism in Java
- Event Listeners & Event Handlers
- Handling mouse & keyboard listeners

Applet Programming:
- Applet Introduction
- Applet Life Cycle
- Creating Web pages using Applet
- Handling Events on Applet

JDBC Programming:
- JDBC API
- JDBC Architecture
- Classes & Interfaces of JDBC API
- Creating JDBC application
- Managing database transactions