

Core JAVA

Duration: - 4 Weeks

SUBJECT OFFERED

1. History and Basics of Java

- The OOPS Features.
- How JAVA is Different from Other PL.
- Types of Application Developed in JAVA.

2. Basic Concepts of Programming

- Variables Constants, Keywords, Operators.
- Branching and Looping.
- Arrays, Methods.

3. JAVA Classes and Objects

- Classes, Objects, Access Specifiers, Constructors, Static Methods.
- Abstract Classes and Methods.
- Inheritance, Interfaces and Inner Classes.
- Function Overloading, Function Overriding, Polymorphism.

4. Packages

- Concept of Packages in JAVA.
- Overview of Commonly Used Packages in JAVA.
- Creating and Importing User Defined Packages.

5. File Handling in JAVA

- JAVA File Streams.
- Character, Byte & Data Streams.

6. Exception Handling in JAVA

- Handling Common Exceptions.
- Creating User Defined Exception Class.
- Try, Catch, Finally, Throws Clause.

7. Applets

- Life Cycle of an Applets / Creating Applets.
- Using Various Graphics Methods in Applet.
- Using Parameter in Applet.
- Adding GUI Components in Applets.