

# Discuss Coaching 81-8400-8500

## Core Java Topics

Chapter 1 contains the basic introduction to the Java language such as

- What is Java?
- History and Features of Java
- C++ vs Java
- Hello Java Program
- Internal How to set the path?
- JDK, JRE, and JVM (Java Virtual Machine)
- JVM Memory Management
- Internal details of JVM
- Unicode System,
- Operators
- Keywords
- Control Statements like if-else, switch, for loop, while loop, etc.

- **Class, Object, and Types of Classes**
- **Data types in Java**
- **Variables, Constants, and Literals**
- **Methods in Java**
- **Constructor in Java**
- **Modifiers in Java**
- **Static Keyword**
- **Final Keyword**
- **Inner Class in Java**
- **Super and this Keyword**
- **OOPs concepts**
- **Encapsulation**
- **Inheritance**

- **Polymorphism**
- **Abstraction**
- **Garbage Collection**
- **Input Output Stream**
- **Exception Handling in Java**
- **Reflection in Java**
- **String, String Buffer, String Builder**
- **Java Thread**
- **Java Database Connectivity (JDBC)**
- **Design Pattern**
- **Database**