

Java Syllabus

1. Introduction to Java

- History and Features of Java
- JVM, JDK, and JRE
- Setting Up Environment

2. Basics of Java Programming

- Variables, Data Types, and Operators
- Control Statements
- Loops and Arrays

3. Object-Oriented Programming

- Classes and Objects
- Constructors
- Inheritance, Polymorphism, and Abstraction

4. Exception Handling

- Try, Catch, and Finally
- Throw and Throws

5. Collections Framework

- List, Set, and Map Interfaces
- Iterators

6. Advanced Java Topics

- Multithreading
- JDBC and Database Connectivity
- Introduction to Spring Framework