

Java Full Stack Developer Course syllabus

1. Java Fundamentals

- ❖ Data Types, Variables & Operators
- ❖ Reading Input & Formatting Output
- ❖ Conditions & Loops
- ❖ Arrays
- ❖ Java Collections

2. OOP with Java

- ❖ Classes & Objects
- ❖ Attributes & Methods (Instance, Static, Class)
- ❖ Abstraction
- ❖ Inheritance
- ❖ Public, Private, Protected Scopes

- ❖ Encapsulation
- ❖ Method Overloading & Overriding
- ❖ Interfaces
- ❖ Polymorphism
- ❖ Generics & Exceptions
- ❖ Multi-threading
- ❖ Important Design Patterns

3. Backend with Spring Boot

- ❖ Overview of Spring Framework
- ❖ Building Java Projects with Maven/Gradle
- ❖ Building REST APIs with Spring Boot
- ❖ Consuming RESTful Web Services

❖ Working with Relational Data using JDBC

❖ JPA and Hibernate

❖ Uploading Files & Validating Form Inputs

❖ Writing Unit Tests

❖ Overview of Spring Batch

❖ Overview of Spring Integration

❖ Overview of Spring Cloud

❖ Overview of Spring AOP