

2-Month Java Revival Roadmap

Month 1: Core Java Refresher

Week 1: Basics & OOP Concepts

- Syntax, Data Types, Variables, Operators
- Control Statements (if-else, loops, switch-case)
- Arrays and Strings
- OOP: Classes, Objects, Encapsulation, Inheritance, Polymorphism, Abstraction

Week 2: Advanced Core Java

- Exception Handling
- Collections Framework (List, Set, Map)
- Generics
- File Handling (Reading/Writing Files)
- Multithreading & Concurrency

Week 3: Java 8 Features

- Functional Interfaces & Lambda Expressions
- Streams API
- Optional Class
- Method References
- Default & Static Methods in Interfaces

Week 4: JDBC & I/O Streams

- JDBC (Connecting Java with Databases)
- CRUD Operations using JDBC
- Serialization & Deserialization
- NIO (New Input/Output)

Month 2: Practical Applications & Frameworks

Week 5: Mini Projects & DSA

- Solve Java coding problems (Leetcode, CodeChef, etc.)
- Implement Sorting & Searching algorithms
- Work on a small console-based project (TODO app, Calculator)

Week 6: Spring Boot Basics

- Introduction to Spring Framework & Spring Boot
- Dependency Injection
- REST APIs in Spring Boot
- Spring Data JPA (CRUD with Database)

Week 7: Web Development & Advanced Java

- Servlets & JSP Basics
- Hibernate ORM
- Microservices Basics (Optional)
- Security (JWT, OAuth)

Week 8: Final Project & Revision

- Build a full-stack Java project (Spring Boot + React/Angular)
- Revise weak topics
- Mock interviews & debugging practice