

3-Month Basic Java Learning Path 🚀

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📄 Prepared by: Abdul Basit

📞 WhatsApp: 0307-5630721

This path is designed to build a strong foundation in Java programming with essential skills and practical projects.

Month 1: Java Basics 📄

Goal: Build a strong foundation in Java programming.

Key Topics:

- Setup: Installing JDK, IntelliJ IDEA, or Eclipse.
- Syntax: Variables, data types, operators.
- Control Flow: if-else, loops (for, while).
- OOP Concepts: Classes, objects, inheritance.
- Hands-on: Build a basic calculator.

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Month 2: Intermediate Java 🛠️

Goal: Expand Java knowledge with essential programming concepts.

Key Topics:

- Collections: ArrayList, HashMap.
- Exception Handling: try-catch.
- File I/O: Reading and writing files.
- JDBC Basics: Connecting Java to MySQL.
- Hands-on: Create a contact manager.

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Month 3: Web Development & Deployment 🌐

Goal: Learn Java for web development and deployment.

Key Topics:

- Servlets & JSP: Basics for dynamic websites.
- Spring Intro: Simple Spring Boot setup.
- Deployment: Hosting on Tomcat.
- Hands-on: Build a simple blog.

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Eligibility Criteria 🙋

- Basic Programming Knowledge is a plus.
- Computer Access with Java and IDE.

This path helps you quickly grasp Java fundamentals and start building web applications!

