DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Java Foundation Training

Set up a JDK, write and run Java programs with control flow, classes and collections, and read files and talk over sockets.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · This curriculum	2 days · Next step	3 days · Later	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	14 topics · Foundation
Hands-on labs	1 lab
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/java/java-foundation-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Java course path, you will be able to:

1

Write solid Java code

Use core and modern Java features, collections and OOP to write clean, tested programs.

2

Build Spring Boot services

Create database-backed REST services with Spring Boot, tests and containers.

3

Run Java in production

Tune, secure, observe and scale Java services on the JVM and Kubernetes.

WHAT THE FOUNDATION LEVEL ADDS

Java basics, OOP, collections, files and sockets

Hands-on: Console app with files and collections. Build a small inventory console application with classes, a HashMap store, exception handling and save and load to a file, then expose it over a simple socket.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Java and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Java on real work.
- Leads and managers who want first-hand familiarity with Java.

BEFORE YOU START

- No prior Java experience is needed.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION

Java Foundation Training agenda

14 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Java basics, OOP, collections, files and sockets

New at this level

1. Introduction to Java: the language, JDK, JRE and JVM, LTS releases and setting up the development environment
2. First Java program: writing, compiling with javac and running with java, the main method and an IDE project
3. Syntax and basic data types: primitives, String, literals, variables and operators
4. Control flow and decision making: if, if-else and switch conditional statements
5. Looping statements: for, while and do-while loops with break and continue
6. Arrays and methods: array manipulation, introduction to methods and functions, parameters and return values
7. OOP basics: principles of OOP, classes and objects, constructors and methods
8. Encapsulation, inheritance and polymorphism: data hiding, extends, overriding and dynamic dispatch
9. Classes and packages: creating and using objects, public, private and protected access, packages and imports
10. Exception handling and API docs: try, catch, finally, checked versus unchecked, reading the Java API documentation
11. Collections framework: List, Set and Map interfaces with ArrayList, LinkedList, HashSet and HashMap
12. Collection operations and generics: iterating, common operations and an introduction to generics
13. File I/O: reading and writing files, handling I/O exceptions, input and output streams and serialization
14. Networking basics and practice: networking concepts, socket programming, coding challenges and mini-projects

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Console app with files and collections

Build a small inventory console application with classes, a HashMap store, exception handling and save and load to a file, then expose it over a simple socket.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Java levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR JAVA TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/java/

ENROL OR RESERVE A SEAT
Java Foundation Training

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Next step after this level: Java Essential Training - Write idiomatic modern Java with interfaces, generics, lambdas, streams and records, and build, test and debug it with Gradle, JUnit and an IDE.