DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Java Fundamental Training

Write, compile and run Java programs using core syntax, object-oriented design, collections, exceptions and file I/O.

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-fundamental.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

Apply core syntax, object-oriented design, collections and exception handling to real programs.

2

Build modern Java services

Use current language features, Spring Boot, databases and automated tests to deliver working applications.

3

Run Java in production

Profile, tune, secure and upgrade Java applications running on the JVM at scale.

WHAT THE FOUNDATION LEVEL ADDS

Java syntax, OOP, collections and file I/O

Hands-on: Build a console contact manager. Write a Java console application with classes, inheritance and collections that saves contacts to a file, reloads them and handles bad input with exceptions.

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 Fundamental 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 syntax, OOP, collections and file I/O** — **New at this level**

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

PRACTICE

Hands-on labs

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

FOUNDATION

Build a console contact manager

Write a Java console application with classes, inheritance and collections that saves contacts to a file, reloads them and handles bad input with exceptions.

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 Fundamental Training

WHATSAPP · INDIA
+91 99057 40781

WHATSAPP · USA
+1 (469) 756-6329

EMAIL
contact@DevOpsSchool.com

Next step after this level: Java Essential Training - Use modern Java features such as records, lambdas and streams, build with Maven or Gradle and test your code with JUnit 5.