DevOpsSchool

Course curriculum · November 2026

JAVA · TRAINING PROGRAM

Core Java SE Version 8 Training

A practical, hands-on Core Java SE Version 8 Training curriculum: 74 topics over 5 days. Learn live online in a small batch, as a private corporate batch, or self-paced with one year of LMS access.

LIVE ONLINE Max 8-10 hours	**CORPORATE** Private team batch, on demand	**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

INSIDE THIS CURRICULUM

Who should attend	Objectives, audience, prerequisites
Agenda	74 topics over 5 days
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/core-java-se-8.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

COURSE FIT

Who this program is for

Use this page to decide whether Core Java SE Version 8 Training matches your role and experience.

1

Objectives

Understand the core concepts and usage model, apply practical workflows through examples and guided tasks, and prepare for implementation, certification or team adoption.

2

Who should attend

Developers, DevOps engineers, administrators, SREs, security engineers, platform teams, release teams, technical leads and corporate teams working with this topic.

3

Before you start

Basic computer literacy and awareness of software, operations, cloud, DevOps or security workflows is helpful. Deep programming experience is not needed unless the topic requires it.

AGENDA AT A GLANCE · 74 TOPICS OVER 5 DAYS

Day 1
16 topics · Introduction to Java

Day 2
16 topics · Class and Object Basics

Day 3
12 topics · Composition and Inheritance

Day 4
15 topics · Exceptions

Day 5
15 topics · Collections and Generics Overview

AGENDA · 74 TOPICS OVER 5 DAYS

Core Java SE Version 8 Training agenda

Days are for corporate (day-wise) delivery; live online batches cover the agenda in max 8-10 hours.

DAY 1

16 topics

1. Introduction to Java
2. Language and Platform Features
3. The Java SE Development Kit (JDK)
4. A Simple Java Class
5. Java's "Hello World" Program
6. Java Basics Syntax
7. Working with the Development Environment
8. Flow of Control
9. Branching: if, if-else, switch
10. Iteration: while, do-while, for, enhanced for, break, continue
11. Introduction to Junit and unit testing
12. Understanding the test scenario
13. Test boundaries
14. What can be tested?
15. Creating test cases
16. Creating test suites

DAY 2

16 topics

17. Class and Object Basics
18. The Object Model and Object-Oriented Programming
19. Classes, References, and Instantiation
20. Garbage Collection
21. Adding Data to a Class Definition
22. Adding Methods (Behavior)
23. Packages
24. Package Overview - Using Packages to Organize Code import statements
25. Creating Packages, package Statement, Required Directory Structure
26. Finding Classes, Packages and Classpath
27. More on Classes and Objects
28. Accessing data, the "this" variable
29. Encapsulation and Access Control, public and private Access
30. Constructors and Initialization
31. static Members of a Class
32. Scopes, Blocks, References to Objects

DAY 3

12 topics

33. Composition and Inheritance
34. Using Composition to Deal With Complexity
35. Composition/HAS-A, Delegation
36. Using Inheritance and Polymorphism to share commonality
37. IS-A, extends, Inheriting Features, Overriding Methods, Using Polymorphism
38. Class Object
39. Abstract Classes
40. Interfaces
41. Using Interfaces to Define Types
42. Interfaces and Abstract Classes
43. Default Methods and static Methods (Java 1.8 or later only)
44. Using Interfaces to Remove Implementation Dependencies

DAY 4

15 topics

45. Exceptions
46. Exceptions and the Exception Hierarchy
47. try, catch and finally
48. Handling Exceptions
49. Program Flow with Exceptions
50. Creating user defined exceptions and exception funneling
51. Multi-Threading Understanding Threads
52. Need for Multi-Threaded Programming
53. Thread Class API
54. Runnable Interface
55. Thread Life-Cycle
56. Thread Methods
57. start(), run(), sleep(), interrupted(), isAlive(), stop(), wait(), join(),etc
58. Thread Priorities
59. Synchronizing Threads

DAY 5

15 topics

60. Collections and Generics Overview
61. What are Generics?
62. What are Collections?
63. Main Collections Interfaces
64. java.util.Collection
65. Java.util.Set
66. Java.util.Map

67. Java.util.List
68. Main Collection Methods
69. Generic Collection Example
70. HashSet,TreeSet,LinkedHashSet
71. ArrayList and LinkedList
72. HashMap, LinkedHashMap, TreeMap
73. Iterator and Enumeration
74. Annotations

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	This program plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate	Planned with your team	A private batch for your team, on demand, with examples mapped to your platforms.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on tasks and assignments. 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 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 courses: www.devopsschool.com/courses/

ENROL OR RESERVE A SEAT
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