Next Level Java 9 Programming | Intermediate Java (TT2209)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This fast-track course is designed for experienced developers who have prior working knowledge of basic Java 8 or Java 9 and want to take advantage of the newest features of Java 9 that can help improve performance and functionality of Java 9 applications. You will gain invaluable insight into how to leverage Modules, scale applications into multi-core environments, improve performance, and become a more effective Java 9 developer.

About This Course

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Who Should Attend

This in an intermediate level Java development course geared for students experienced with Java 8 or later programming essentials who wish to quickly get up and running with advanced Java skills. This course does not cover Java programming fundamentals.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Students will leave this course armed with the required skills to improve their Java applications using sound coding techniques and best practices.
This “skills-centric” course is about 50% hands-on lab and 50% lecture, designed to train attendees in advanced development skills, coupling the most current, effective techniques with the soundest industry practices. Working in a hands-on learning environment, guided by our expert team, attendees will learn to:
Develop modular applications in Java
Utilize the tooling that is provided in Java 9 to migrate, monitor and optimize applications
Use the new JShell tool to quickly test java constructs
Understand how the implementation of the String class has been updated to decrease the memory footprint
Use the enhancements made to the Concurrency API, working with Completable Future instance of Thread pools
Specific Java 9 features that are covered in the course include:
The Java Module System (project Jigsaw)
JShell
Updated try-with-resources
Performance enhancements in Java 9
Multi-Release Jar files

Detailed Course Outline

Java 9 Updates

- Review of What is New in Java 9
- Milling Project Coin

The Java Module system (Jigsaw)

- Why JigSaw
- Introduction to the Module System
- The Module Descriptor
- Working with Modules

JShell

- JShell

More Java 9

- Other New Java 9 Features
- Performance Optimizations
- Memory Management (Optional)

Multithreading and Concurrency

- Multithreading
- Concurrent Java
- Java 8 Concurrency Updates

Reflection and References

- Introspection and Reflection
- Reference Objects

Effective Java

- Objects, Declarations, and Initializations
- Exceptions

Writing High-Performance Applications

- Profiling and Benchmarking
- Profiling Tools
- Code Optimization Techniques
- Code Optimization Myths
- Design Optimization Techniques

Additional Course Details

Nexus Humans Next Level Java 9 Programming | Intermediate Java (TT2209) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Next Level Java 9 Programming | Intermediate Java (TT2209) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Next Level Java 9 Programming | Intermediate Java (TT2209)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day Next Level Java 9 Programming | Intermediate Java (TT2209) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Next Level Java 9 Programming | Intermediate Java (TT2209) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Next Level Java 9 Programming | Intermediate Java (TT2209)?

Yes, we provide corporate training, dedicated training, and closed classes for Next Level Java 9 Programming | Intermediate Java (TT2209). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Next Level Java 9 Programming | Intermediate Java (TT2209)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Next Level Java 9 Programming | Intermediate Java (TT2209) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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