



JAVA TRAINING

Scjp Ocp Java Se 7 Programmer Ii Training Certification Course

Master advanced Java SE 7 programming and achieve your OCP Java SE 7 Programmer II certification.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The SCJP OCP Java SE 7 Programmer II Training Certification Course is designed for experienced Java developers aiming to solidify their understanding of advanced Java Standard Edition 7 features and achieve industry recognition. This intensive program delves deep into complex topics such as Java Class Design, advanced Generics and Collections, Concurrency, I/O fundamentals including NIO.2, Database connectivity with JDBC, and robust Exception Handling. You will gain hands-on experience in building sophisticated, high-performance, and scalable applications by mastering the intricacies of multithreading, file system operations, and data persistence layers.

Upon successful completion of this certification course, participants will not only be proficient in applying advanced Java SE 7 programming constructs but also demonstrate a strong grasp of best practices in enterprise application development. This certification serves as a testament to your ability to tackle challenging programming problems, design efficient and maintainable code, and contribute effectively to complex software projects. It significantly enhances your credibility and opens doors to more demanding and rewarding roles within the software development landscape.

Duration	2 hours
Level	Intermediate
Vendor	Java

COURSE CURRICULUM

01 Module 1: Advanced Class Design

- Inheritance with abstract classes and interfaces
- Inner classes: static, local, anonymous, and member
- Enums and their advanced usage
- Designing with Annotations

02 Module 2: Generics and Collections

- Understanding and applying Generics in Java SE 7
- Advanced use of Collections Framework (Lists, Sets, Maps, Queues)
- Sorting collections with Comparators and Comparable
- Implementing custom generic classes and methods

03 Module 3: Concurrency and Multithreading

- Creating and managing threads (Thread, Runnable)
- Thread synchronization techniques (synchronized methods/blocks, locks)
- Concurrency utilities (Executors, Callable, Future)
- Thread safety issues and solutions

04 Module 4: I/O, NIO.2 and JDBC

- Working with I/O streams (byte, character, buffered streams)
- Introduction to New I/O (NIO.2) API for file system operations
- Connecting to databases using JDBC API
- Executing SQL queries, processing ResultSets, and handling transactions

05 Module 5: Exceptions, Assertions and Localization

- Advanced exception handling strategies (try-with-resources)
- Using assertions for debugging and validation

- Internationalization and Localization principles
- Working with locales, resource bundles, and formatting

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Java Backend Developer**
- > **Enterprise Java Solutions Architect**
- > **Software Engineer specializing in Java Platform Development**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for enrolling in the SCJP OCP Java SE 7 Programmer II course?

To get the most out of this advanced course, it is highly recommended that participants have either successfully completed the Oracle Certified Professional (OCP) Java SE 7 Programmer I certification or possess equivalent hands-on experience and a strong understanding of fundamental Java SE programming concepts, including basic object-oriented principles, control flow, arrays, and string manipulation.

Q: How does achieving the OCP Java SE 7 Programmer II certification enhance my real-world Java development capabilities?

This certification validates your ability to write complex, efficient, and robust Java applications. It demonstrates expertise in handling concurrency for multi-threaded environments, managing file systems and network I/O, connecting to databases, and designing highly maintainable code using advanced object-oriented patterns and generics. These skills are critical for developing high-performance enterprise-level applications and solving challenging programming problems in various industries.

Q: Given that Java SE 7 is an older version, what is the continued relevance or benefit of obtaining this specific OCP certification today?

While Java has evolved beyond SE 7, the core concepts covered in the OCP Java SE 7 Programmer II certification—such as advanced class design, concurrency, generics, I/O, and JDBC—remain absolutely fundamental to all subsequent Java versions. Mastering these foundational aspects provides an exceptionally strong architectural understanding that is directly transferable and highly beneficial when working with newer Java SE platforms like Java SE 11 or 17. It builds a solid base for understanding how modern Java features enhance or build upon these established principles.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke