Java Programming (Java SE 7)

Category: Software Development & Programming | **Vendor:** Logical Operations

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Students will work with advanced features of Java.

About This Course

Students will work with advanced features of Java.

Who Should Attend

This course is intended for individuals who are Java programmers and have worked with databases and with object-oriented programming techniques, who are now ready to create more complex and advanced programs using Java SE 7.

Learning Outcomes

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

Upon successful completion of this course, students will be able to:
- create and manage custom classes.
- control program flow by writing code to respond to specific criteria.
- implement object-oriented programming techniques to create reusable and reliable programs.
- work with Java utility class libraries.
- use the capabilities of the Java I/O package to read and write data to external files or media.
- use collection APIs in Java to manage data.
- use generics to enforce compile-time type checking.
- use multi-threaded programs to help handle multiple tasks concurrently.
- manage Java applications for memory efficiency and create distributable versions of a Java application.

Detailed Course Outline

Working with Classes

- Create Classes
- Create Variables
- Write an Expression
- Work with Arrays
- Work with Static Class Members
- Define Methods
- Use Enumerated Data Types

Controlling Program Flow

- Work with Conditional Statements
- Work with Looping Statements
- Handle Exceptions
- Handle Chained Exceptions
- Write and Enable Assertions

Implementing Object-Oriented Programming Concepts

- Extend a Class
- Overload and Override Methods
- Work with Interfaces
- Create Inner Classes
- Examine Object-Oriented Design Concepts

Working with Java Utility Class Libraries

- Work with Strings
- Format and Parse Strings
- Work with Dates, Numbers, and Currencies

Using the Java I/O Package

- Work with the File Class
- Work with Byte Streams
- Work with Character Streams
- Read Files
- Write to a File
- Manipulate I/O Objects

Using Collections

- Work with the Collection Interface
- Work with the Set Collection
- Work with List Collections
- Work with Queues
- Work with the Map Collection
- Work with Collection Utilities

Working with Generics

- Declare Generics
- Implement Generics

Using Multi-Threaded Programs

- Create a Multi-Threaded Program
- Synchronize Threads

Managing Java Applications

- Implement Garbage Collection
- Deploy a Java Application

Additional Course Details

Nexus Humans Java Programming (Java SE 7) 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 Java Programming (Java SE 7) 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 Java Programming (Java SE 7)?

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 5-day Java Programming (Java SE 7) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Java Programming (Java SE 7) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Java Programming (Java SE 7)?

Yes, we provide corporate training, dedicated training, and closed classes for Java Programming (Java SE 7). 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 Java Programming (Java SE 7)?

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 Java Programming (Java SE 7) 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

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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