Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11)

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

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

This course provides hands-on Java 11 training for developers who have little or no prior working knowledge of object-oriented programming languages such as C, COBOL, and 4GL. You will learn the best practices for writing great object-oriented programs in Java 11, using sound development techniques, new improved features for better performance, and new capabilities for addressing rapid application development. Special emphasis is placed on object oriented concepts and best practices.

About This Course

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Who Should Attend

This is a basic-level programming course designed for attendees with prior development experience in another language, such as COBOL, 4GL, Mainframe or other non-object oriented languages. This course is not geared for non-developers.

Learning Outcomes

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

This “skills-centric” course is about 50% hands-on lab and 50% lecture, designed to train attendees in core OO coding and Java development skills, coupling the most current, effective techniques with the soundest industry practices. Our engaging instructors and mentors are highly experienced practitioners who bring years of current 'on-the-job' experience into every classroom.
Working within in a hands-on learning environment, guided by our expert team, attendees will learn to:
Understand what OO programming is and what the advantages of OO are in today's world
Work with objects, classes, and OO implementations
Understand the basic concepts of OO such as encapsulation, inheritance, polymorphism, and abstraction
Understand not only the fundamentals of the Java language, but also its importance, uses, strengths and weaknesses
Understand the basics of the Java language and how it relates to OO programming and the Object Model
Work with the Modular system (Project Jigsaw)
Understand and use classes, inheritance and polymorphism
Understand and use collections, generics, autoboxing, and enumerations
Process large amount of data using Lambda expressions and the Stream API
Abstract, static and private methods in interfaces
Take advantage of the Java tooling that is available with the programming environment being used in the class
Java 11 features covered: Using the Local Variable Type in Lambda expressions; Updates made to the String API

Detailed Course Outline

A First Look

- The Java Platform
- Using the JDK
- The Eclipse Paradigm

Getting Started with Java

- Writing a Simple Class
- Adding Methods to the Class

OO Concepts

- Object-Oriented Programming
- Inheritance, Abstraction, and Polymorphism

Essential Java Programming

- Language Statements
- Using Strings
- Specializing in a Subclass
- Fields and Variables
- Using Arrays
- Local-Variable Type Inference
- Java Packages and Visibility

Object Oriented Development

- Inheritance and Polymorphism
- Interfaces and Abstract Classes
- Introduction to Exception Handling
- Exceptions

Java Developer's Toolbox

- Utility Classes
- Java Date/Time

Advanced Java Programming

- Introduction to Generics
- Lambda Expressions and Functional Interface

Working with Collections

- Collections
- Using Collections

Stream API

- Streams
- Collectors

The Java Module System

- Introduction to the Module System

Time Permitting

- Formatting Strings
- Introduction to Annotations
- Java 12 and beyond

Additional Course Details

Nexus Humans Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11) 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 Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11) 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 Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11)?

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 Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11) 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 Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11) 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 Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11)?

Yes, we provide corporate training, dedicated training, and closed classes for Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11). 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 Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11)?

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 Basic Java 11 and OO Programming for Developers New to OO (TT2120-J11) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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