

# Basic Java Programming for Developers

## New to OO (TT2120)

**Category:** Developer

**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

Geared for experienced developers, Basic Java Programming for Developers New to OO, this hands-on, workshop-style course will provide you with an immersive learning experience that will expand your skillset and open doors to new opportunities within the ever-growing technology landscape. Mastering Java and its powerful capabilities will provide you with the competitive edge you need to stand out in today's fast-paced development world. Working in a hands-on learning environment led by our expert coach, you'll thoroughly explore the foundations of the Java platform, essential programming concepts, and advanced topics, ensuring you acquire a strong understanding of the language and its ecosystem. The object-oriented programming principles taught in this course promote code reusability and maintainability, enabling you to streamline development processes and reduce long-term costs. As you progress through the course, you will also gain familiarity with using an IDE, enhancing your development workflow and collaboration with other Java developers, enabling you to integrate seamlessly into new projects and teams. You'll also gain practical experience in applying the concepts and techniques learned, solidifying your newly acquired skills and facilitating their direct application in real-world scenarios. You'll exit this course empowered to create robust, scalable, and efficient Java-based applications that drive innovation and growth for your organization.

## About This Course

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## Who Should Attend

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In order to be successful in this course you should have incoming hands-on experience with another programming language.

This course is not for non-developers or new developers. Possible roles that may attend this course include:

**Software Developers:** Professionals who have been working with other programming languages and want to expand their skillset by learning Java and its object-oriented features.

**Web Developers:** Those who work on web applications and want to enhance their back-end development capabilities with Java.

**Mobile App Developers:** Developers who wish to enter the world of Android app development, where Java is a widely used language for creating mobile applications.

# Learning Outcomes

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## **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 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

Learn to use Java exception handling

Understand and use classes, inheritance and polymorphism

Understand and use collections, generics, autoboxing, and enumerations

Become familiar with the concept of functional programming using Lambda Expressions

Process large amounts of data using the Stream API introduced in Java 8

Discover the new Date/Time API

Use the JDBC API for database access

Work with annotations

Take advantage of the Java tooling that is available with the programming environment being used in the class

Java 8 Features: Lambda Expressions, Method and Constructor references, The Streams API, Collectors, The Optional class

## Additional Course Details

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Nexus Humans Basic Java Programming for Developers New to OO (TT2120) 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 Programming for Developers New to OO (TT2120) 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

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## **Q: What delivery options are available for Basic Java Programming for Developers New to OO (TT2120)?**

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
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## **Q: How many CPD hours does this course provide?**

The 5-day Basic Java Programming for Developers New to OO (TT2120) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Basic Java Programming for Developers New to OO (TT2120) training?**

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

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## **Q: Do you provide corporate training for Basic Java Programming for Developers New to OO (TT2120)?**

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

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## Q: Why choose Nexus Human for Basic Java Programming for Developers New to OO (TT2120)?

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 **PENPALS** when booking your Basic Java Programming for Developers New to OO (TT2120) 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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