ITS Java

Category: Software Development & Programming | **Vendor:** Pearson

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

Course Information

Delivery Format: Mentored

Certification: ITS Java

Course Overview

The Java course will teach learners software programming basics using Java. As of the year 2022, Java is the second most popular programming language and it is commonly used for developing web, desktop, and mobile applications. No coding experience is needed to take this course. Learners will learn to solve complicated problems by using the programming skills and tools taught. After completing this course, learners will be prepared for designing, coding, and debugging Java computer programs.

About This Course

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Who Should Attend

Designed to instruct a high school student or adult in their first experience of coding. The course is written so no previous coding experience is required. The course can also be helpful for those with computer programming experience to learn the syntax and basics of the Java programming language. After receiving the Java Certification, you are prepared to practice and write Java programs.

Learning Outcomes

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

Upon successful completion of this course, students should be able to: Read, write, and modify a computer program written in Java. Understand Java syntax and data types. Use branching and iteration to solve complex problems. Implement object-oriented programming. Troubleshoot and debug code.

Detailed Course Outline

Lesson 1: Java Fundamentals

- Skill 1.1: Describe the use of main in a Java application.
- Skill 1.2: Perform basic input and output using standard packages.
- Skill 1.3: Evaluate the scope of a variable.
- Skill 1.4: Comment and document programs.

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Lesson 2: Data Types, Variables, and Expressions

- Skill 2.1: Declare and use primitive data type variables.
- Skill 2.2: Construct and evaluate code that manipulates strings.
- Skill 2.3: Construct and evaluate code that creates, iterates, and manipulates arrays and array lists.
- Skill 2.4: Construct and evaluate code that performs parsing, casting, and conversion.
- Skill 2.5: Construct and evaluate arithmetic expressions.

Lesson 3: Flow Control Implementation

- Skill 3.1: Construct and evaluate code that uses branching statements.
- Skill 3.2: Construct and evaluate code that uses loops.

Lesson 4: Object-Oriented Programming

- Skill 4.1: Construct and evaluate class definitions.
- Skill 4.2: Declare, implement, and access data members in classes.
- Skill 4.3: Declare, implement, and access methods.
- Skill 4.4: Instantiate and use class objects in programs.

Lesson 5: Code Compilation and Debugging

- Skill 5.1: Troubleshoot syntax errors, logic errors, and runtime errors.
- Skill 5.2: Implement exception handling.

Additional Course Details

Nexus Humans ITS Java 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 ITS Java 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 ITS Java?

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: What certification does this course prepare me for?

The ITS Java course helps prepare you for the ITS Java certification path.

Q: How many CPD hours does this course provide?

The 5-day ITS Java 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 ITS Java 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 ITS Java?

Yes, we provide corporate training, dedicated training, and closed classes for ITS Java. 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 ITS Java?

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 ITS Java 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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