



Java Certification Training

simplilearn

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Program Overview:

This advanced Java Certification Training course is designed to guide you through the concepts of Java, from introductory techniques to advanced programming skills. The course provides you with the knowledge of Core Java 8, operators, arrays, loops, methods, and constructors while giving you hands-on experience in JDBC and JUnit framework.

Program Features:

- > 70 hours of blended learning
- > 18 hours of Online self-paced learning
- > 52 hours of instructor-led training
- > Hands-on coding and implementation of two web-based projects
- > Includes Hibernate and Spring frameworks
- > 35 coding-related exercises on Core Java 8

Delivery Mode:

Blended - Online self-paced learning and live virtual classroom

Prerequisites:

Prior knowledge of Core Java is necessary for anyone who wants to take this advanced course. Our Core Java online self-paced course is available for free to help you become familiar with the basics of Java programming.

Target Audience:

- > Software developers
- > Web designers
- > Programming enthusiasts
- > Engineering graduates
- > Students or professionals who wish to become Java developers

Key Learning Outcomes:

By the end of this Java online training course, you will be able to:

- > Understand basic Core Java 8 concepts
- > Implement multi-threading, string handling, and exception handling techniques
- > Set up connections using JDBC to communicate with a database
- > Understand servlet fundamentals such as J2EE, HTTP Protocol, and HTML in detail
- > Create a JSP by following directives and run an application
- > Learn Hibernate Query Language (HQL) and its exciting features
- > Map relationships with Hibernate
- > Learn how to configure AOP in a Java application
- > Dive deeply into SOA architecture
- > Design a SOAP-based web service

Certification Details and Criteria:

Online Classroom:

- > Attend one complete batch
- > Complete one simulation test with a minimum score of 60 percent

Online Self-Learning:

- > Complete 85 percent of the course
- > Complete one simulation test with a minimum score of 60 percent

Course Curriculum:

Lesson 01 - Introduction to Java EE

- > Introduction to Java EE

Lesson 02 - Java Servlet I

- > Servlets API, Interfaces, and Methods
- > Servlet Lifecycle
- > Configure and Deploy Servlet
- > ServletRequest, ServletResponse
- > ServletConfig, ServletContext
- > Servlet Scopes, Attributes, and Collaboration

Lesson 03 - Java Servlet II

- > Session Management
- > Listeners in Java EE
- > Filters in Java EE

Lesson 04 - Java Server Pages

- > JSP Lifecycle
- > Creating and Working with JSP Elements
- > Working with JSP Standard Action
- > JSTL and Custom Tag Libraries

Lesson 05 - Introduction to Hibernate

- > Introduction to Hibernate
- > Hibernate CRUD Operation

Lesson 06 - Hibernate Queries and Relationship

- > Hibernate Queries and Relationship
- > Mapping Relationship with Hibernate

Lesson 07 - Introduction to Spring

- > Introduction to Spring
- > Dependency Injection, SpringBean Lifecycle, Wiring, and Scope

Lesson 08 - Spring AOP

- Introduction to Spring AOP (Aspect-Oriented Programming)
- Configuring AOP in Java Application using AspectJ Approach

Lesson 09 - Spring JDBC and Spring Hibernate

- Spring JDBC Implementation in an Application
- Spring Hibernate Template
- Spring JDBC Transaction Management

Lesson 10 - Spring MVC

- Spring MVC Architecture, Components, and Framework
- Spring MVC Program

Lesson 11 - SOA and Web Services

- Basics of SOA Architecture and Web Services
- Creating SOAP-based and RESTful Web Services

Course End **Projects:**

Project 1: Employee Management System

Create a new system to automate the regulation, creation, and closure process.

Project 2: Home Insurance

Build a system that helps individuals buy home insurance through a web application.

Customer **Reviews:**



Samlesh Panda

Associate Director at IHS Markit

Simplilearn's Java Certification course is simple yet effective. The trainer was helpful and gave examples which made the content easy to understand. I would highly recommend Simplilearn.



Himanshu Sukhija

Software Engineer at Tata Consultancy Services

I have enrolled for Simplilearn's Java Certification Training. The content is very informative. The trainer is knowledgeable and his skills in explaining the concepts are awesome.

About Us:

Simplilearn is a leader in digital skills training, focused on the emerging technologies that are transforming our world. Our blended learning approach drives learner engagement and is backed by the industry's highest completion rates. Partnering with professionals and companies, we identify their unique needs and provide outcome-centric solutions to help them achieve their professional goals.

For more information, please visit our website:

<https://www.simplilearn.com/mobile-and-software-development/java-javaee-soa-development-training>



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Founded in 2009, Simplilearn is one of the world's leading providers of online training for Digital Marketing, Cloud Computing, Project Management, Data Science, IT Service Management, Software Development and many other emerging technologies. Based in Bangalore, India, San Francisco, California, and Raleigh, North Carolina, Simplilearn partners with companies and individuals to address their unique needs, providing training and coaching to help working professionals meet their career goals. Simplilearn has enabled over 1 million professionals and companies across 150+ countries train, certify and upskill their employees.

Simplilearn's 400+ training courses are designed and updated by world-class industry experts. Their blended learning approach combines e-learning classes, instructor-led live virtual classrooms, applied learning projects, and 24/7 teaching assistance. More than 40 global training organizations have recognized Simplilearn as an official provider of certification training. The company has been named the 8th most influential education brand in the world by LinkedIn.

India - United States - Singapore

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