

SL-275 Java Programming Language

Summary

Duration

5 Days

Vendor

SUN

Introduction

Students who can benefit from this course are programmers who are interested in adding the Java programming language to their list of skills and students who are preparing for the Sun Certified Programmer for Java examination.

Prerequisites

To succeed fully in this course, students should be able to:

- Understand object-oriented principles
- Create or compile simple programs in a language, such as C or C++, or have completed the SL-110: Fundamentals of the Java Programming Language course and have created and compiled simple Java programs
- Create and edit text files using a text editor

Course Objectives

After completing this course, students will be able to:

- Upon completion of this course, students should be able to:
- Create Java technology applications that leverage the object-oriented features of the Java language, such as encapsulation, inheritance, and polymorphism
- Execute and run a Java technology application from the command line
- Use Java technology data types and expressions
- Use Java technology flow control constructs
- Use arrays and other data collections
- Implement error-handling techniques using exception handling
- Create event-driven graphical user interface (GUI) using Java technology GUI components: panels, buttons, labels, text fields, and text areas
- Implement input/output (I/O) functionality to read from and write to data and text files.
- Create multithreaded programs
- Create a simple Transmission Control Protocol/Internet Protocol (TCP/IP) networked client that communicates through sockets

Associated Certifications & Exams

Upon completion of course SL-275 delegates will receive both a Torque-IT and Sun Microsystems attendance certificate.

Before:

- Fundamentals of the Java Programming Language (SL-110)

After:

- Object-Oriented Analysis and Design Using UML (OO-226)
- Java Programming Language Workshop (SL-285)
- Distributed Programming With Java Technology (SL-301)
- GUI Construction with Java Foundation Classes (SL-320)