


Java 7


Course Contents



Name: Java 7

Description: The Java 7 test measures knowledge of programming in Java 7. Designed for experienced programmers, this test covers the following topics: Class Definition, Core Libraries, Integration Libraries, Practical Software Engineering, Support Libraries, Syntax, Tools, and Virtual Machine. This test covers J2SE 1.2 through Java 7.

Test Type:  Knowledge & Skills

Adaptive(CAT):  SHL's Computer Adaptive Testing (CAT) technology dynamically adjusts the test to the level of the test taker resulting in shorter test times, increased accuracy and enhanced security.

Category: Information Technology

Generic Tag:


Language: N/A

Max # of Questions: 30

Max Time Allowed: 3 Minutes Per Question

Test Length: Approximate Completion Time: 35 Minutes

Unit Value: 2.5

Dimensions:  Java 7

Assessment Topics

Class Definition

- Access Modifiers
- Generics
- Inheritance
- Methods and Fields
- Polymorphism

Core Libraries

- Components
- I/O
- JavaBeans
- Language and Utilities
- Math

Integration Libraries

- JDBC
- JNDI
- OS Integration
- Scripting
- Web Services

Practical Software Engineering

- Best Practices
- Object Design
- Patterns
- Refactoring
- Testing

Support Libraries

- Internationalization
- Networking
- Security
- XML

Syntax

- Comments and the Javadoc Tool
- Data Types
- Exception Handling
- Expressions
- Flow of Control

Tools

- Annotation Processing
- Compiler
- Debugging
- Deployment

Virtual Machine

- Memory Management
- Parallelism
- Thread Management
- VM Internals