

Certification Exam Prep Seminar: Java SE 7 Programmer I

Duration: 1 Day

What you will learn

This exam prep seminar helps you prepare to take the Java SE 7 Programmer I certification exam.

Java SE 7 Programmer I (1Z0-803)

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*Prices are subject to change based on location.

Exam Prep Seminars:

- Provide a thorough review of exam objectives.
- Illustrate the breadth of topics and skills necessary to pass the exam.
- Give exclusive tips and strategies to prepare for the certification exam.
- Increase confidence.

This seminar is for exam review purposes only and does not meet the Hands-on Course training requirement (if applicable to your certification track). We recommend that candidates who have no experience or have not completed any relevant training, opt for the associated training package instead.

Audience

Java Developers

Course Objectives

Learn from one of Oracle University's top instructors.

Review key technologies and certification concepts related to Oracle Database 12c: Advanced Administration.

Understand the depth and breadth of the Oracle Database Administrator.

Get information that will help you complete your preparation and study.

Receive tips and information that will help you on the test.

Course Topics

Java Basics

Define the scope of variables

Define the structure of a Java class

Create executable Java applications with a main method

Import other Java packages to make them accessible in your code

Working With Java Data Types

Declare and initialize variables

Differentiate between object reference variables and primitive variables

Read or write to object fields

Explain an object's lifecycle

Call methods on objects

Manipulate data using the StringBuilder class and its methods

Create and manipulate strings

Using Operators and Decision Constructs

Use Java operators

Use parentheses to override operator precedence

Test equality between strings and other objects using == and equals ()

Create if and if/else constructs

Use a switch statement

Creating and Using Arrays

Declare, instantiate, initialize and use a one-dimensional array

Declare, instantiate, initialize and use multi-dimensional array

Declare and use an ArrayList

Using Loop Constructs

Create and use while loops

Create and use for loops including the enhanced for loop

Create and use do/while loops

Compare loop constructs

Use break and continue

Working with Methods and Encapsulation

Create methods with arguments and return values

Apply the static keyword to methods and fields

Create an overloaded method

Differentiate between default and user-defined constructors

Create and overload constructors

Apply access modifiers

Apply encapsulation principles to a class

Working with Inheritance

Implement inheritance

Develop code that demonstrates the use of polymorphism

Differentiate between the type of a reference and the type of an object

Determine when casting is necessary

Use super and this to access objects and constructors

Use abstract classes and interfaces

Handling Exceptions

Differentiate among checked exceptions, RuntimeExceptions and Errors
Create a try-catch block and determine how exceptions alter normal program flow
Describe what exceptions are used for in Java
Invoke a method that throws an exception
Recognize common exception classes and categories