



## Course 330 – Java™ Certification Prep

Duration: 5 days

### You Will Learn How To

- Understand the exam objectives for Oracle Java Programmer Certification.
- Evaluate your readiness to take the Oracle Certified Professional: Java Programmer exam

### Course Benefits

The Oracle Certified Professional: Java Programmer (OCPJP) designation that follows your name tells current and potential employers that you know the intricacies of the Java programming language. To be eligible for an OCPJP credential, you must pass a rigorous multiple-choice examination designed to objectively assess and measure your ability to write Java applications. This course is dedicated to all OCPJP exam aspirants and will give you the best chances to pass the OCPJP certification exam on your first try. Each chapter concludes with drill exam questions, and the course concludes with a take home mock exam. **This course is designed to help you prepare for the Java certification exam in the shortest possible time.**

### Who Should Attend

This Java Training course is for experienced Java programmers who would like to pass the Oracle Certified Professional: Java Programmer SE 6 exam (Exam ID 1Z0-851), formerly known as Sun Certified Java Programmer 6.

### Course Content

#### Declarations and Access Control

- Declaring Classes
- Declaring Interfaces
- Declaring Class Members

#### Object Orientation

- Encapsulation
- Inheritance
- Polymorphism
- Overriding/Overloading Methods
- Reference Variable Casting
- Implementing Interfaces
- Legal Return Types
- Constructors
- Statics
- Coupling and Cohesion

#### Assignments

- Literals, Assignments, and Variables
- Passing Variables into Methods

#### Arrays

- Using Wrapper Classes/Boxing
- Overloading
- Garbage Collection

#### Flow Control

- if and switch Statements
- Looping
- Exception Handling



- Common Exceptions and Errors
- Assertions

### Strings, I/O, Formatting, and Parsing

- String/StringBuilder/StringBuffer
- File Navigation and I/O
- Serialization
- Dates, Numbers, and Currency
- Parsing, Tokenizing, and Formatting

### Generics and Collections

- Overriding the hashCode() method  
Collections
- Using the Collections Framework
- Generic Types

### Inner Classes

- Method-Local Inner Classes
- Anonymous Inner Classes
- Static Nested Classes

### Threads

- Defining, Instantiating, and Starting  
Threads
- Thread States and Transitions
- Synchronizing Code
- Thread Interaction

### Development

- Using the javac and java Commands
- JAR Files
- Using Static Imports

### About ActiveLearning, Inc.

ActiveLearning is the Philippines' leading provider of Information Technology and Project Management education, where thousands of students take courses from Application Development to Project Management to Network Security, and much more. Our courses are taught by expert instructors, and learning is enhanced through a blend of in-depth lectures, workshops, and hands-on exercises.