JAVA OCA exam prep

Duration: 2 Days Course Code: GK0392

Overview:

For the best preparation of your JAVA 1Z0-808 exam you attend this JAVA exam prep course. In this course all important exam topics will be reviewed. At the end of the course you will make a practice test to investigate if you are ready.

Target Audience:

Anyone who want to achieve the Oracle Certified Associate JAVA Programmer certification.

Objectives:

- After this course you know if you are ready to take the OCA JAVA exam. You will fill the gaps in your skills and knowledge.

Prerequisites:

GK0391 , JAVA Programming Introduction

Testing and Certification

Follow-on-Courses:

NA

Content:

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 Inheritance

- Describe inheritance and its benefits
- Develop code that makes use of polymorphism; develop code that overrides methods; 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

Working with Selected classes from the Java API

- Manipulate data using the StringBuilder class and its methods
- Create and manipulate Strings
- Create and manipulate calendar data using classes from java.time.LocalDateTime, java.time.LocalDate, java.time.LocalTime, java.time.format.DateTimeFormatter, java.time.Period
- Declare and use an ArrayList of a given type
- Write a simple Lambda expression that consumes a Lambda Predicate expressionAssume the following:
- All classes are in one file
- Each class is contained in a separate file, and all files are in one directory
- Declare and initialize variables (including casting of primitive data types)
- Differentiate between object reference variables and primitive variables
- Know how to read or write to object fields
- Explain an Object's Lifecycle (creation, "dereference by reassignment" and garbage collection)
- Develop code that uses wrapper classes such as Boolean, Double, and Integer Creating and Using Arrays
- Declare, instantiate, initialize and use a one-dimensional array
- Declare, instantiate, initialize and use multi-dimensional arraysWorking with Methods and Encapsulation
- Create methods with arguments and return values; including overloaded methods
- Apply the static keyword to methods and fields
- Create and overload constructors; differentiate between default and user defined constructors
- Apply access modifiers
- Apply encapsulation principles to a class
- Determine the effect upon object references and primitive values when they are passed into methods that change the valuesHandling Exceptions
- Differentiate among checked exceptions, unchecked exceptions, and Errors
- Create a try-catch block and determine how exceptions alter normal program flow
- Describe the advantages of Exception handling
- Create and invoke a method that throws an exception
- Recognize common exception classes (such as NullPointerException, ArithmeticException, ArrayIndexOutOfBoundsException, ClassCastException)

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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