Oracle 1Z0-808 Certification Details:

Exam Name	Java SE 8 Programmer I
Exam Code	1Z0-808
Exam Product Version	Java SE
Exam Price	USD $245 (Pricing may vary by country or by localized currency)
Duration	150 minutes
Number of Questions	70
Passing Score	65%
Validated Against	This exam has been written for the Java SE 8 release.
Format	Multiple Choice
Recommended Training	Java SE 8 Fundamentals Oracle Certified Associate, Java SE 8 Programmer Certification Discount Package (On Demand)
Schedule Exam	Pearson VUE - Oracle
Recommended Practice	**1Z0-808 Online Practice Exam**

Oracle 1Z0-808 Certification Topics:

Java Basics	- Define the scope of variables - Define the structure of a Java class - Create executable Java applications with a main method; run a Java program from the command line; including console output. - Import other Java packages to make them accessible in your code - Compare and contrast the features and components of Java such as: platform independence, object orientation, encapsulation, etc.
Working With Java Data Types	- 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.
Using Operators and Decision Constructs	- Use Java operators; including parentheses to override operator precedence - Test equality between Strings and other objects using == and equals () - Create if and if/else and ternary 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

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; including overloaded methods - Apply the static keyword to methods and fields - Create and overload constructors; including impact on default 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 values
Working with Inheritance	- Describe inheritance and its benefits - Develop code that demonstrates the use of polymorphism; including overriding and object type versus reference type - 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, 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, ArithmeticExcpetion, ArrayIndexOutOfBoundsException, ClassCastException)"
Working with Selected classes from the Java API	- Manipulate data using the StringBuilder class and its methods - Creating and manipulating 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 expression