

## Examination Score Report

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Oracle Testing ID: OC1124869

1Z0-851 Java Standard Edition 6 Programmer  
Certified Professional Exam

Exam Date: 06/04/2012

Registration: 249124905

Center ID: 63463

Your  
Score: 61%Passing  
Score: 61%

Result: Pass

Feedback on your performance is printed below. The report lists the objectives for which you answered a question incorrectly.

- Develop code that declares classes (including abstract and all forms of nested classes), interfaces, and enums, and includes the appropriate use of package and import statements (including static imports).
- Develop code that declares, initializes, and uses primitives, arrays, enums, and objects as static, instance, and local variables. Also, use legal identifiers for variable names.
- Develop code that implements tight encapsulation, loose coupling, and high cohesion in classes, and describe the benefits.
- Develop code that makes proper use of type parameters in class/interface declarations, instance variables, method arguments, and return types; and write generic methods or methods that make use of wildcard types and understand the similarities and differences between these two approaches.
- Develop code that makes use of assertions, and distinguish appropriate from inappropriate uses of assertions.
- Develop code that uses the primitive wrapper classes (such as Boolean, Character, Double, Integer, etc.), and/or autoboxing & unboxing. Discuss the differences between the String, StringBuilder, and StringBuffer classes.
- Distinguish between correct and incorrect overrides of corresponding hashCode and equals methods, and explain the difference between == and the equals method.
- Explain the effect of modifiers on inheritance with respect to constructors, instance or static variables, and instance or static methods.
- Given a code example and a scenario, write code that uses the appropriate access modifiers, package declarations, and import statements to interact with (through access or inheritance) the code in the example.
- Given a code example, recognize the point at which an

object becomes eligible for garbage collection, determine what is and is not guaranteed by the garbage collection system, and recognize the behaviors of the `Object.finalize()` method.

- Given a design scenario, determine which collection classes and/or interfaces should be used to properly implement that design, including the use of the `Comparable` interface.
- Given a scenario, develop code that declares and/or invokes overridden or overloaded methods and code that declares and/or invokes superclass or overloaded constructors.
- Given a scenario, develop code that demonstrates the use of polymorphism. Further, determine when casting will be necessary and recognize compiler vs. runtime errors related to object reference casting.
- Given a scenario, write code that makes appropriate use of object locking to protect static or instance variables from concurrent access problems.
- Given the fully-qualified name of a class that is deployed inside and/or outside a JAR file, construct the appropriate directory structure for that class. Given a code example and a classpath, determine whether the classpath will allow the code to compile successfully.
- Recognize the states in which a thread can exist, and identify ways in which a thread can transition from one state to another.
- Use standard J2SE APIs in the `java.text` package to correctly format or parse dates, numbers, and currency values for a specific locale; and, given a scenario, determine the appropriate methods to use if you want to use the default locale or a specific locale. Describe the purpose and use of the `java.util.Locale` class.
- Write code that correctly applies the appropriate operators including assignment operators (limited to: `=`, `+=`, `-=`), arithmetic operators (limited to: `+`, `-`, `*`, `/`, `%`, `++`, `--`), relational operators (limited to: `<`, `<=`, `>`, `>=`, `==`, `!=`), the `instanceof` operator, logical operators (limited to: `&`, `|`, `^`, `!`, `&&`, `||`), and the conditional operator (`? :` ), to produce a desired result. Write code that determines the equality of two objects or two primitives.
- Write code that uses standard J2SE APIs in the `java.util` and `java.util.regex` packages to format or parse strings or streams. For strings, write code that uses the `Pattern` and `Matcher` classes and the `String.split` method. Recognize and use regular expression patterns for matching (limited to: `.` (dot), `*` (star), `+` (plus), `?`, `\d`, `\s`, `\w`, `[]`, `()`). The use of `*`, `+`, and `?` will be limited to greedy quantifiers, and the parenthesis operator will only be used as a grouping mechanism, not for capturing content during matching. For streams, write code using the `Formatter` and `Scanner` classes and the `PrintWriter.format/printf` methods. Recognize and use formatting parameters (limited to: `%b`, `%c`, `%d`, `%f`, `%s`) in format strings.
- Write code that uses the generic versions of the Collections API, in particular, the `Set`, `List`, and `Map` interfaces and implementation classes. Recognize the limitations of the non-generic Collections API and how to refactor code to use the generic versions. Write code that uses the `NavigableSet`

If this is the final exam in your certification path, you are required to complete the following steps to ensure delivery of your Certification Success Kit.

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- Go to [pearsonvue.com/oracle](http://pearsonvue.com/oracle), select My Account, log in, and select "Personal Info" to confirm that your address is correct.
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