Reflection Questions
In what package is the class Class found?
What methods can be used to create Class objects?
Explain the difference between Byte.class and Byte.TYPE.
How can we create an object of a class using a Class object for the class?
Explain the methods that produce the properties (contents) of a class.
Explain the value returned from the method getModifiers.
Name the classes found in the package java.lang.reflect.
Explain how we create an object using a Constructor object.
Give the signatures of the methods getMethods and getDeclaredMethods and explain their difference.
When does the method getSuperclass return null?
Describe the limitation on the use of array literals.
How can we bypass this limitation?
Explain how we can look at and change the fields of an object.
What can go wrong when we try to change the value of a field in an object?
How can we determine the component type and length of an array dynamically?
How can we create a new array dynamically?
Explain the method arraycopy in the System class.
How can we call a method whose name is not known until run time?
What are the properties of a functional programming language?
Which of these properties can be found in Java?
What is a higher-order function?