**Chapter 10 Concept Quiz**

Determine whether each of the following statements is true or false. If a statement is false, please explain why.

1. In Java, nested classes can access all members of the outer class.
2. A Java inner class be accessed directly using the name of its outer class.
3. A Java inner class can define static members.
4. Static nested classes can only access static members of the outer class.
5. A local class can be an abstract class.
6. A local class cannot define any static members, except static final constants.
7. In Java, a class must be assigned a name.
8. Assuming I is an interface in Java, you can’t do new I().
9. In Java lamda expression serves to define a method.
10. In Java lamda expression implement and instantiate an object from a functional interface.

**Answers to the Quiz**

1. **False**. A static nested class can only access static members of the outer class.
2. **False**. Non-static inner class must be associated with an instance of the outer class.
3. **False**. A non-static inner class in Java cannot define static members.
4. **True**.
5. **False**. A local class must be a concrete class.
6. **True**.
7. **False**. Anonymous classes don’t have names.
8. **False**. new I() is allowed in defining and instantiating an anonymous class.
9. **False**. A lamda expression serves to create an instance of certain type.
10. **True.**