**Exercise sheet - Quizzes**

**Week 3:**

1. It is said that **an interface declaration can contain method signatures, default methods, static methods and constant definitions.**
2. **True**
3. False
4. What methods does the interface body contain?
5. Abstract methods, default methods
6. **Abstract methods, default methods and static methods**
7. Default methods and static methods
8. Abstract methods and static methods
9. Choose the right answers below:
10. **A class that is derived from another class is called a subclass (also a derived class, extended class, or child class).**
11. A superclass inherits all the members (fields, methods, and nested classes) from its subclass.
12. **The class from which the subclass is derived is called a superclass (also a base class or a parent class).**
13. Constructors are members, so they are inherited by subclasses
14. **Classes can be derived from classes that are derived from classes**
15. Fill in the blanks:

An instance method in a subclass with the …. signature (name, plus the number and the type of its parameters) and return type as an …. method in the superclass overrides the superclass's method.

1. unique - new
2. different - instance
3. special - new
4. **same - instance**
5. It is said that **inherited instance methods from classes can override abstract interface methods.**
6. **True**
7. False
8. If you attempt to change an instance method in the superclass to a static method in the subclass, and vice versa, what will happen?
9. The program compiles successfully
10. **The program returns a compile-time error**
11. The program doesn’t recognise the new method
12. The program rushes
13. Fill in the blanks:

If your method overrides one of its superclass's methods, you can invoke the overridden method through the use of the keyword ….

1. **super**
2. hide
3. private
4. protected
5. clone() can be declared as: (choose more than 1 answer)
6. **protected Object clone() throws CloneNotSupportedException**
7. protected Object clone() CloneNotSupportedException
8. **public Object clone() throws CloneNotSupportedException**
9. public clone() throws CloneNotSupportedException

1. It is said that **the getClass() method can be overridden.**
2. True
3. **False**