

## Inheritance and Interfaces Quiz help

- Know this terminology – Be able to identify it in code or describe how it is used when coding with inheritance (section 5.1)
  - Super class
  - Sub class
  - super
  - this
  - casting (changing an object of super class type to a sub class type)
  - Abstract class (section 5.6)
  - Method overriding
- Polymorphism – be able to explain what this OO concept is and explain how inheritance makes it a power programming tool
- The super class Object – know what methods every class inherits from Object
- Know what assignments can and cannot be made with inherited classes and variables
- Know what the instanceof operator does and where it can be used.
- Static variable declarations vs. dynamic method binding (also static vs dynamic binding in general)
- Be able to explain what an interface is and how it is different from inheritance
- Know the properties of interfaces given in section 6.1.2
- Be able to explain how the comparable interface and the listener interfaces are good examples of how interfaces can be used