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AP Computer Science

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Week 6 Vocab

1. Because of polymorphism, it is possible to treat an instance of a subclass as an instance of the superclass, which could extend an interface.
2. Polymorphism is where an instance of the subclass can be treated as an instance of the superclass
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4. Because of polymorphism, it is possible to treat an instance of a subclass as an instance of the superclass, which could extend an interface.
5. With regards to polymorphism, pointer and reference are about the same
6. An inheritance hierarchy can tell you how classes are related, which then tells you where you can use polymorphism
7. In an interface, all methods must be abstract, but in a base class this is not the case
8. A subclass can implement an interface
9. Because of polymorphism, it is possible to treat an instance of a subclass as an instance of the superclass, which could extend an interface.
10. In Java, you cannot reference an instance of an interface because instances don’t exist.
11. Interfaces are usually at the top of inheritance hierarchies
12. A subclass is a more specific version of a base class
13. A base class is pretty much the same thing as a superclass
14. An instance of a base class can be referenced
15. Base classes are usually near the top of inheritance hierarchies.
16. A subclass inherits attributes from the superclass
17. A subclass can also have an instance that can be referenced
18. The subclasses are usually at the bottom of inheritance hierarchies
19. A reference to an instance of a superclass is only possible when there is nothing abstract in the superclass
20. Superclasses are located where base classes are located, near the top of inheritance hierarchies
21. References to instances of subclasses are not shown on an inheritance hierarchy