

# LESSON 34 NOTES

## Method Overriding

- **DEFINITION:** When a child class' method has the same name and parameter list as the parent.
  - **TAKES PRECEDENCE OVER PARENT METHOD**
  - The version of the method that is called is dependent upon the object reference variable that calls the method
  - Maintains descriptiveness of method name, yet perform functions that are specific to the class that it is in

## Calling Parent Methods

- You must use `super.methodName()` to call a parent method, if the parent method was overridden.
  - If not, you do not need to use `super`

## Class Hierarchy

- A diagram that illustrates the relationship between parents, children, and siblings of classes
  - Child classes can be the parents of other child classes, and so on
- Clarifies the relationship between classes
- Class Hierarchy Example (Arrows represent direction of inheritance):

