LESSON 35 NOTES

Abstract Class Specifics:

- **Pass along methods and variables, but cannot be instantiated ("ghost class")**

- **FORMAT:** `public` **`abstract`** `class Pet`

- **May contain one or more abstract methods**
  - **contains no implementation or body**

- **A child must define all abstract methods of a parent**
  - **Otherwise, the child will become abstract as well**

- **Is used for <u>very general</u> (high) levels of a class hierarchy**
  - **<u>EXAMPLE:</u> A Vehicle class, w/ subclasses Car, Boat, Plane**

- **Is, theoretically, a hybrid between an interface and a class**

Abstract Method Specifics:

- **Contain method header, no implementation, semicolon @ end (like methods in an interface)**
  - **<u>Difference with interfaces:</u> Must indicate that method is abstract w/ abstract keyword**

- **<u>A class that extends an abstract class must implement all abstract methods, or will become abstract itself</u>**