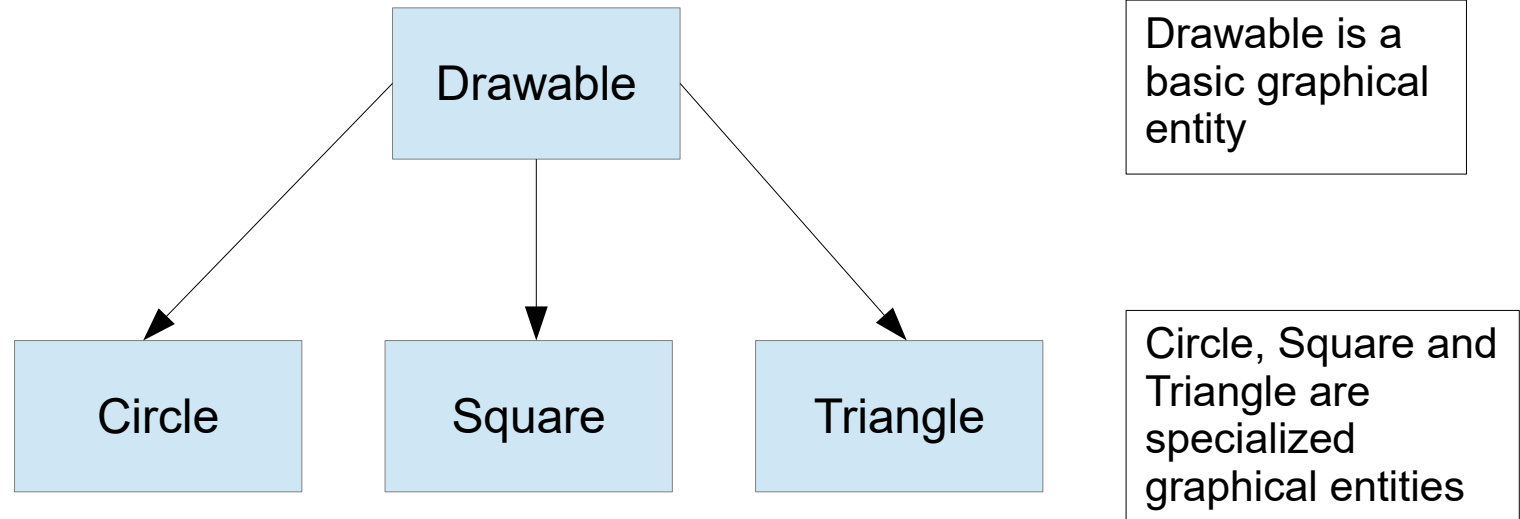


Class Hierarchies and Inheritance Exercises

- What is meant by a class inheritance hierarchy?
 - A class inheritance hierarchy is used to model a group of related concepts
 - The “base class” is at the top of the hierarchy. This is the most general or most basic example of the group
- Give an example of a simple class hierarchy and draw a diagram of it
 - Drawable shapes (circle, triangle, square, etc)
 - The base class is a generic drawable shape

Class Hierarchies

- Related classes are organised in a hierarchy



- What is meant by the terms "base class" and "derived class"?
 - Base class - defined above
 - A derived class is a more specialized version of the base class, or has enhanced functionality
- Give alternate names for the terms "base class" and "derived class"
 - Base class - parent class
 - Derived class - child class or subclass