

Rectangle class

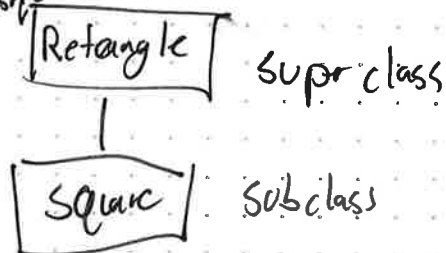
- Convert
- print outside in main
- move print to display
 - instance method (not static)

Interface

- No equivalent in Python
 - write it
- declares public methods without implementing them
- No constructor
- No static methods
- Displayable (readable)

Inheritance

- Allows you to build a class hierarchy
- Reuse common methods
- IS-A relationship



- Overriding: Subclass implements the same method as the superclass
- display

add area()

Encapsulation (Information Hiding)

- Encloses data and methods
- Hides the implementation
- What not how

Why?

- Often talked about in context of security
- Really its mainly about how to not make mistakes

Levels

(More white lines)

public

- accessible everywhere

protected

- accessible by subclasses

(add set Dimensions)

private

- accessible only in the class

(add get Height, get Width)