

Objects and Classes

What is an object?

- data / attribute
- functions / methods

box → dimensions
color
material - type
capacity
price

} attribute → data

What is a box used for? / What can you do with a box?

- store
 - retrieve
 - move
- } functions

I keep a water-bottle in a cardboard box.

↓ attribute ↓ object

No object is mysterious. The mystery is your eye.

noun adjective adjective noun

- Elizabeth Bowen

Class?

template for an object

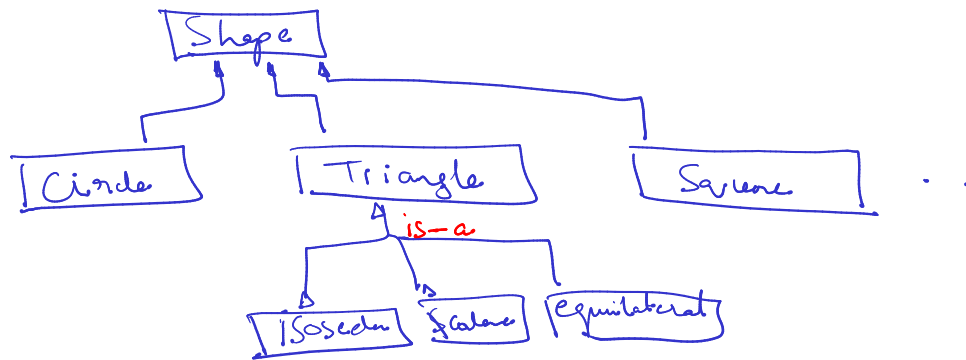
class Animal

- organs } data / attributes
 - skeleton }
- (fly / walk / crawl / swim) → functions / method

Animal = Cat { skeleton, eyes, ... , (walk, run, crawl, swim, climb) }

class object attributes / data ↓ functions

Shape → class



inheritance