HIERARCHIES

Animal

people



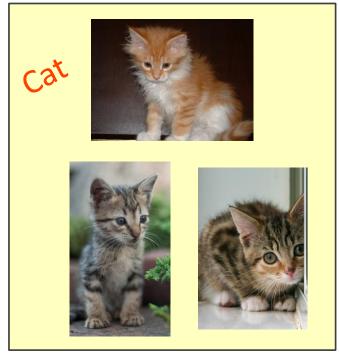


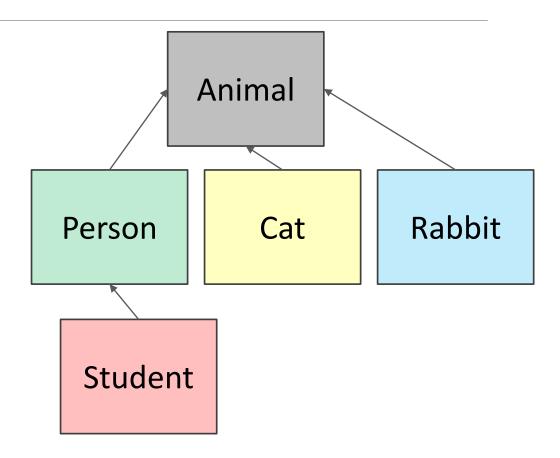


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HIERARCHIES

- parent class (superclass)
- child class (subclass)
 - inherits all data and behaviors of parent class
 - add more info
 - add more behavior
 - override behavior



INHERITANCE: PARENT CLASS

```
everything is an object
class Animal(object):
   def init (self, age):
       self.age = age
                           class object
                            operations in Python, like
                           implements basic
       self.name = None
                              binding variables, etc
   def get age(self):
       return self.age
   def get name(self):
       return self.name
   def set age(self, newage):
       self.age = newage
   def set name(self, newname=""):
       self.name = newname
   def str (self):
       return "animal:"+str(self.name)+":"+str(self.age)
```