

Static Classes

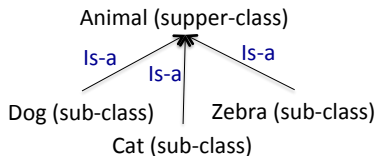
A class is static if all its fields and methods are static.

- ⇒ no point to creating objects of that class.
- ⇒ useful for grouping functions
(link `Math.sin`, `Math.cos`, ...)

Programms (in Java) are static classes!

Inheritance

Inheritance is is-a relation and nothing else.



- final classes cannot be sub classes.
- final methods cannot be over-written.

Inheritance - Cont.

```
class Animal {
    String name;
    public void makeNoise() {System.out.println(" Noises ...");}}

class Dog extends Animal {
    String color;
    public void makeNoise() {System.out.println(" Roaring: waag!");}}

class Cat extends Animal {
    public void makeNoise() {System.out.println(" Roaring: miooo!");}}

class Zebra extends Animal {
    String type;
    public void makeNoise() {System.out.println("( Striped ) _neigh?");}
}
```