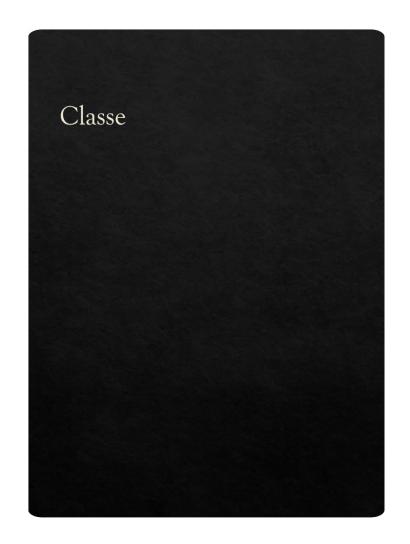
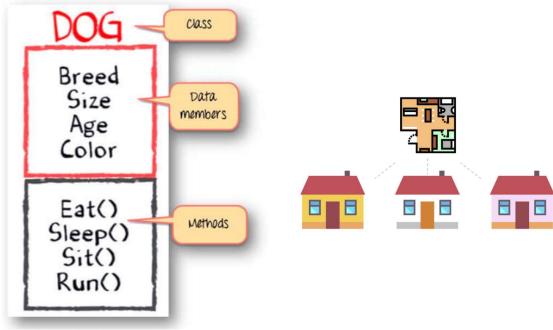
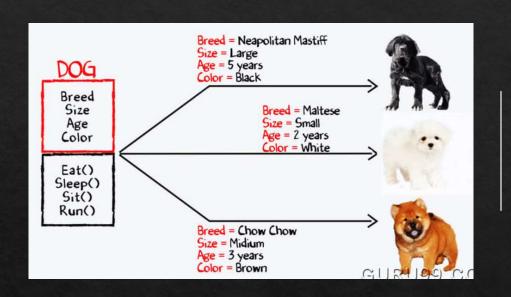


Abstraction focuses upon the essential characteristics of some object, relative to the perspective of the viewer.





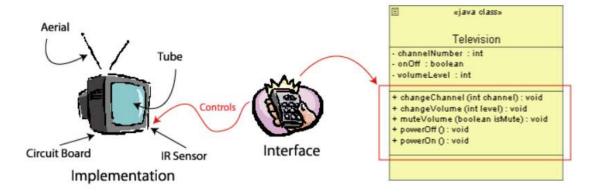


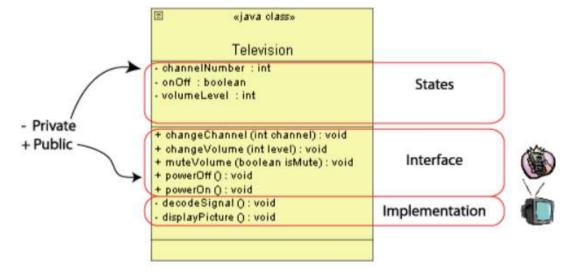
Object 1		Object 2
Model	Volkswagen Polo	Model
Fuel	Petrol	Fuel
Make	2017	Make
Start()		Start()
Break()		Break()
Accelerate()		Accelera

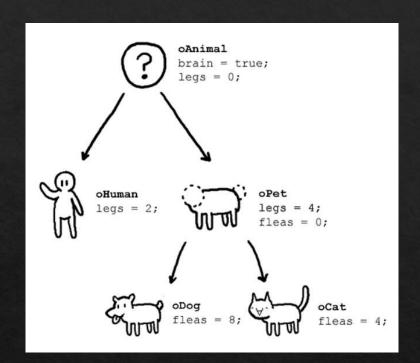
Object 2		
Model	Volkswagen Vento	
Fuel	Diesel	
Make	2017	
Start() Break() Accelerat	e()	

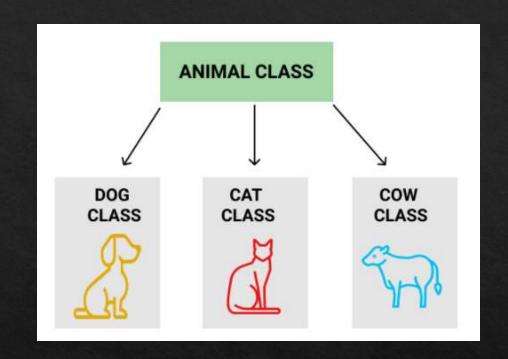
Objeto/Instancia



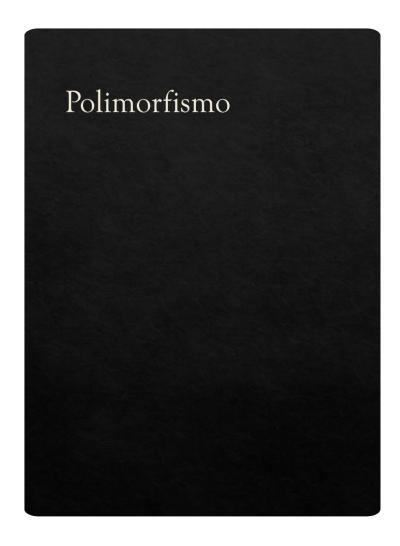








Herança



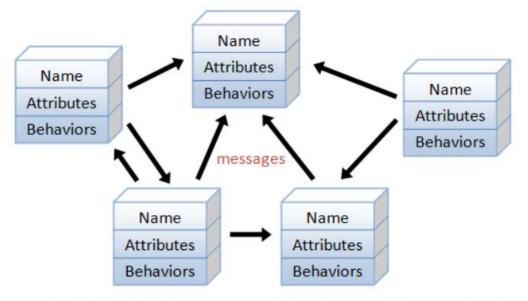


```
public class WritingInstrument{
    public void Write(){
        // Makes visible mark
    }
}

public class Pen : WritingInstrument{
    public void Write(){
        // Makes visible mark with ink
    }
}
```

```
public class WritingInstrument{
    public void Write(){
        // Makes visible mark
    }
    public void Write(int fontSize){
        // Makes visible mark of given font
        // size
    }
}
```

Sistema Orientado a Objeto



An object-oriented program consists of many well-encapsulated objects and interacting with each other by sending messages

