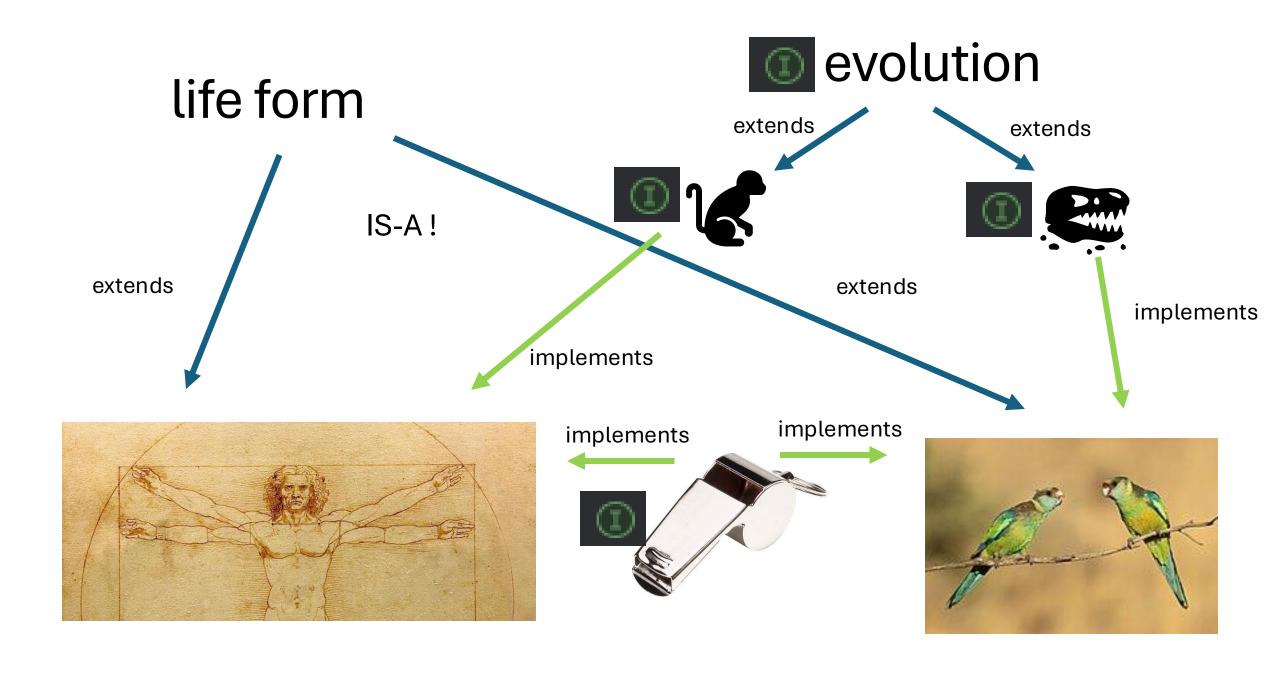
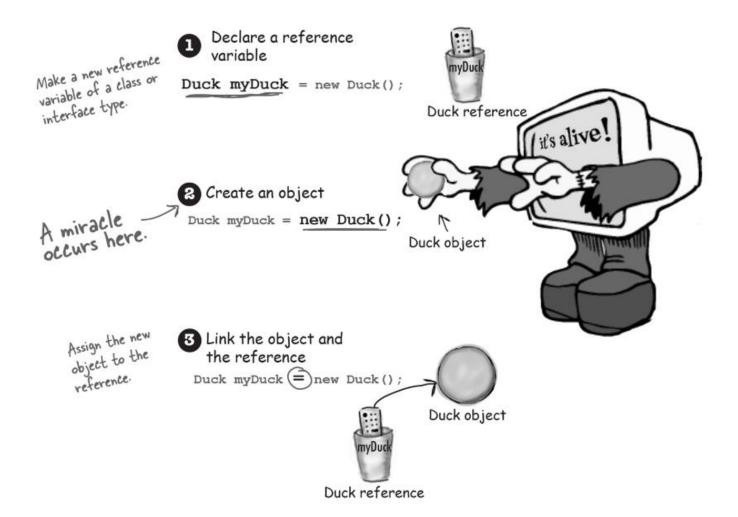


Repetisjon: Polimorfi&Interface

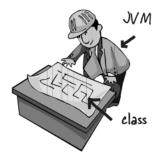




Are we calling a method named Duck()? Because it sure looks like it.

```
Duck myDuck = new Duck (); because of the parentheses.
 We're calling the Duck constructor.
  public class Duck {
      public Duck() {
         System.out.println("Quack");
```

A class is not an object (but it's used to construct them)



```
public class Duck2 {
  int size;

public Duck2() {
    // supply default size
    size = 27;
}

public Duck2(int duckSize) {
    // use duckSize parameter
    size = duckSize;
}
```

If you have more than one constructor in a class, it means you have

overloaded constructors.

To make a Duck when you know the size:

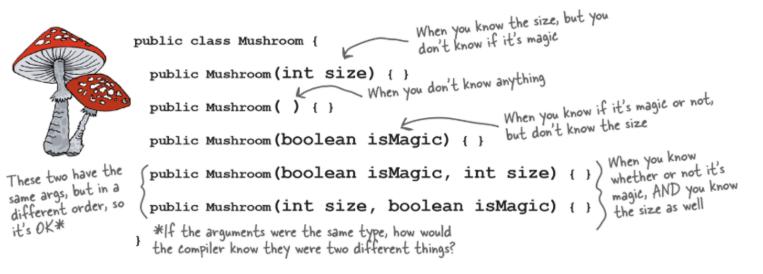
```
Duck2 d = new Duck2(15);
```

To make a Duck when you do not know the size:

```
Duck2 d2 = new Duck2();
```

If you have more than one constructor in a class, it means you have overloaded constructors.

Five different constructors means five different ways to make a new mushroom.

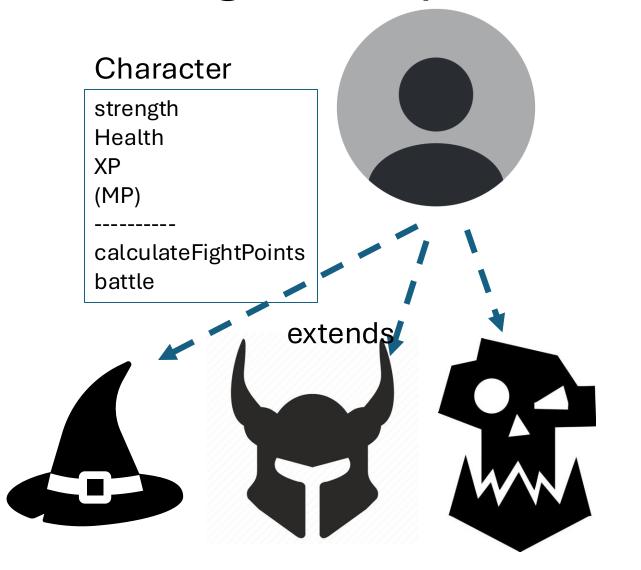


If you don't provide a constructor

The compiler puts one

```
import java.awt.Color;
class Mini extends Car {
                                  The no-arg constructor
  private Color color;
                                  supplies a default Color and
                                   calls the overloaded Real
  public Mini() {
                                   Constructor (the one that
     this (Color.RED);
                                   calls super()).
  public Mini(Color c) {
                                       This is The Real Constructor that
     super ("Mini");
                                       does The Real Work of initializing the
    color = c;
                                       object (including the call to super()).
     // more initialization
                                                                    File Edit Window Help Drive
 publ
                     size) {
                                                                   javac Mini.java
                                                                  Mini.java:16: call to super must
                               super() and this() in the same
                                                                  be first statement in constructor
                               constructor, because they each must be the first statement!
                                                                           super();
```

»coding-eksempel» mini-RPG



That 's all folks

• •

Feel free to use my RPG code for playing around..

weaponize the characters

