

Inheritance

Tuesday, January 28, 2025 1:49 PM

3

Generalisation
↳ Taking the code
that is repeated and
extracting it
Dog {

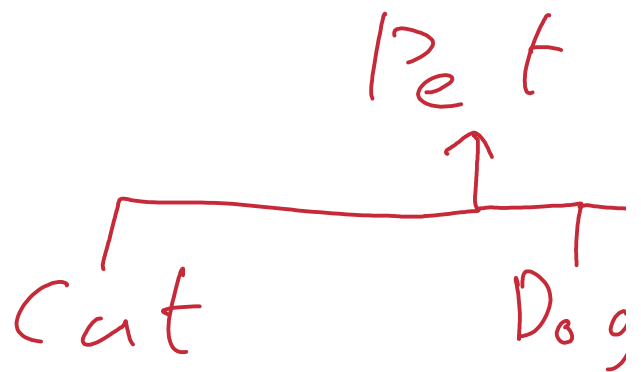
private String name,
private int age
private String colour
}

```
public class Pet { 1 usage 1 inheritor
```

```
private String name; 4 usages  
private int age; 4 usages  
private String colour; 4 usages
```

```
public Pet() { 1 usage  
}
```

Inheritance allows
code from a 'parent'
to its 'child' or



```
public class Pet { 2 usages 2 inheritors  
  
    private String name; 4 usages  
    private int age; 4 usages  
    private String colour; 4 usages  
  
    public Pet() { 2 usages  
        super();  
    }  
}
```

```
public Pet(String name, int age, String colour) { //usage
    this.name = name;
    this.age = age;
    this.colour = colour;
}
```

