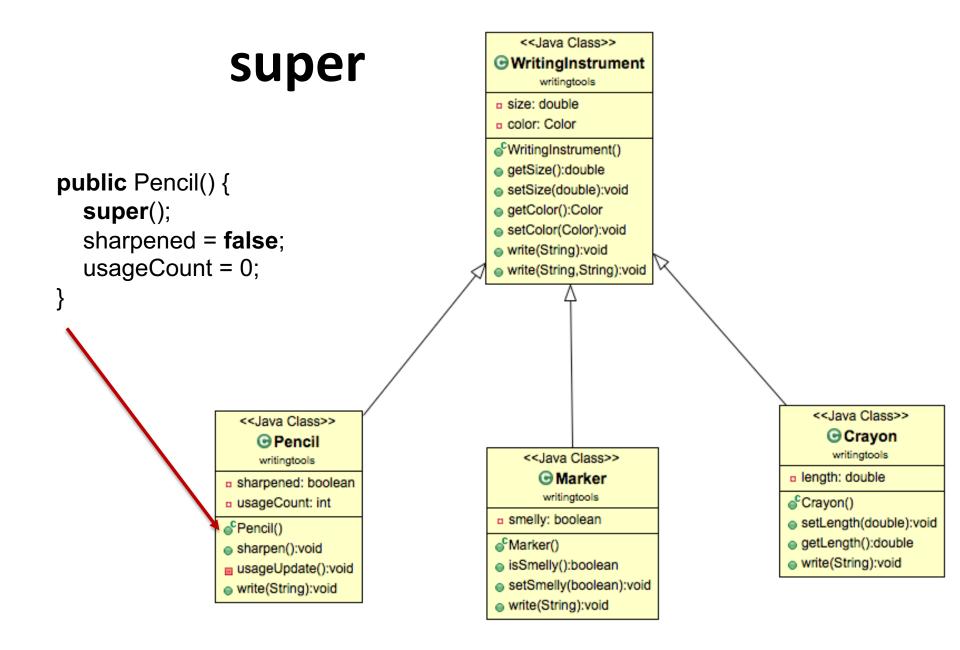
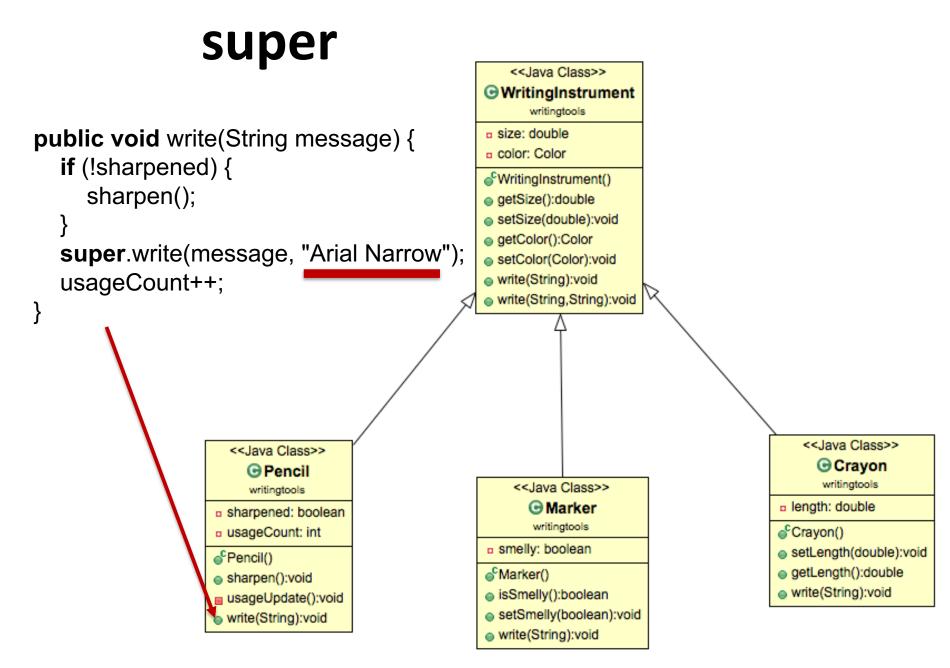
Inheritance

this and super





this (demo in Marker)

```
public void setSmelly(boolean fragrant) {
  smelly = fragrant;
or
public void setSmelly(boolean smelly) {
  this.smelly = smelly;
```

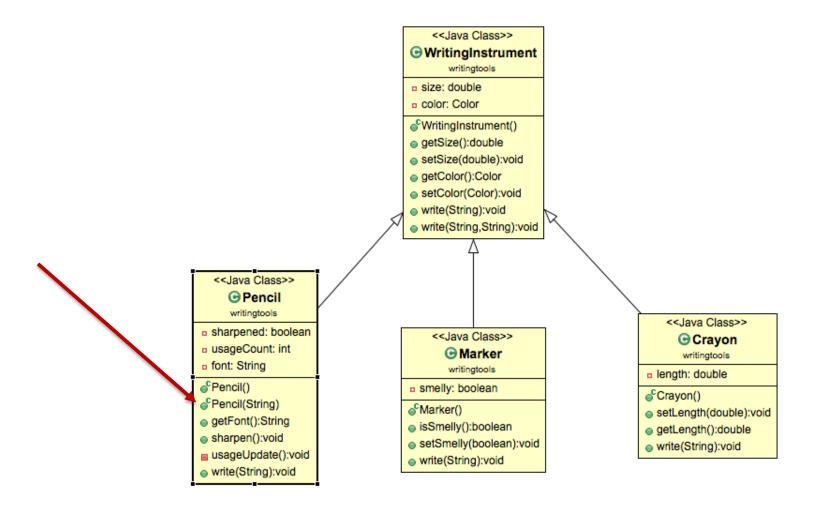
This(demo in Pencil)

- make the font a field of pencil
 - Add String font as a field
 - Make a constructor that takes a String

```
public Pencil(String font) {
    this();
    this.font = font;
}
```

- Also should then make a getter
- Create a pencil with a different font

Updated UML



this() and super()

- this() is a call to the constructor of a current class that has no parameters
- super() is a call to the constructor of the parent class that has no parameters
- Cannot access private fields of another class, even a parent class! Instead use getter and setter methods.