

References to text and JavaSummary.pptx

A bit about testing and test cases

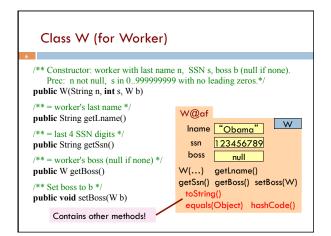
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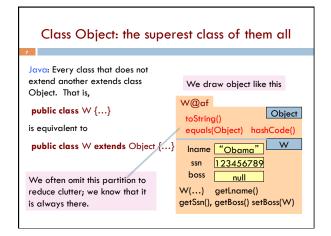
- Class Object, superest class of them all. Text: C.23 slide 30
- □ Function toString() C.24 slide 31-33
- Overriding a method C15-C16 slide 31-32
- Static components (methods and fields) B.27 slide 21, 45
- Java application: a program with a class that declares a method with this signature:

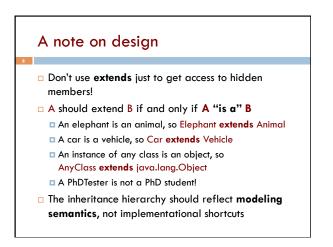
public static void main(String[])

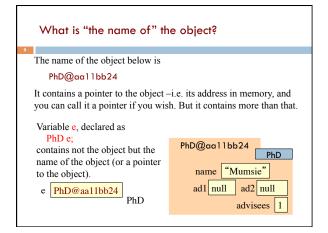
Homework 1. Read the text, Appendix A.1–A.3 2. Read the text, about the if-statement: A.38–A.40 3. Visit course website, click on Resources and then on Code Style Guidelines. Study 2. Format Conventions 4.5 About then-part and else-part of if-statement

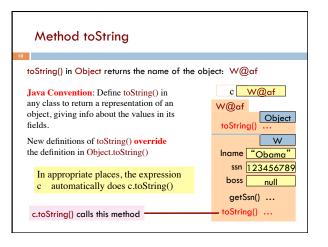
A bit about testing	
Test case: Set of input values, together with the expected output.	
Develop test cases for a method from its specification even before you write the method's body.	
<pre>/** = number of vowels in word w. Precondition: w contains at least one letter and nothing but letters */ public int numberOfVowels(String w) {</pre>	
	Developing test cases first, in "critique" mode, can prevent wasted work and errors
How many vowels in each of these words? creek	
syzygy	

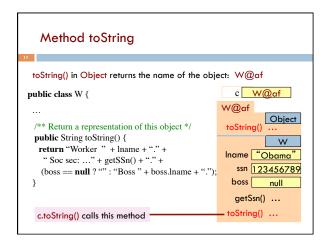


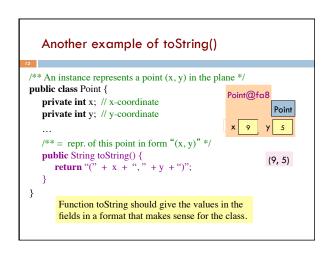


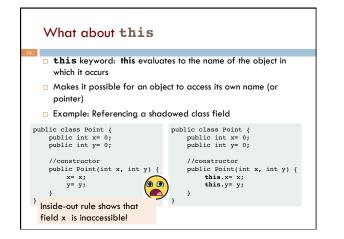


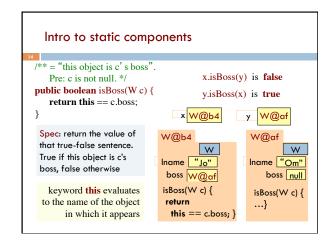


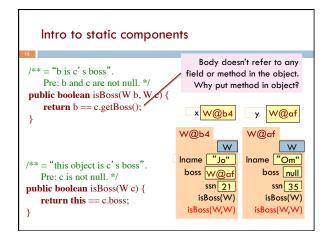


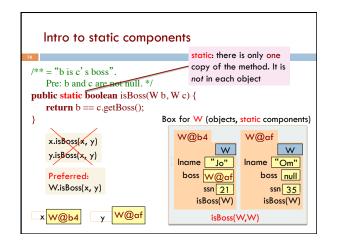


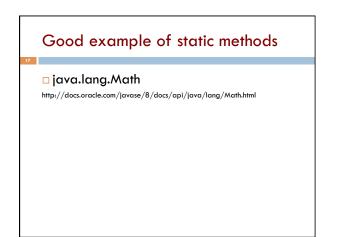


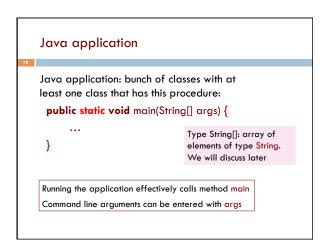


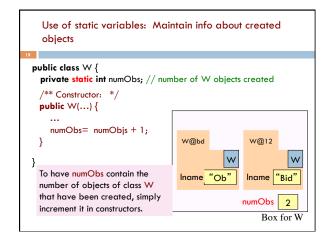


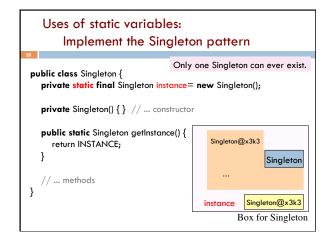












An instance of class Color describes a color in the RGB (Red-Green-Blue) color space. The class contains about 20 static variables, each of which is (i.e. contains a pointer to) a non-changeable Color object for a given color: public static Color black= ...; public static Color black= ...; public static Color darkGray= ...; public static Color darkGray= ...; public static Color gray= ...; public static Color gray= ...; public static Color gray= ...;