1.00 Lecture 5

More on Java Data Types, Control Structures Introduction to Methods

Reading for next time: Big Java: 7.1-7.5, 7.8











Problem	Integer	Float, double
Zero divide	POSITIVE_INFINITY, NEGATIVE_INFINITY	POSITIVE_INFINITY, NEGATIVE_INFINITY
0/0	NaN (not a number)	NaN (not a number)
Overflow	No warning. Program gives wrong results.	POSITIVE_INFINITY, NEGATIVE_INFINITY
Underflow	Not possible	No warning, set to 0
Rounding, accumulation errors	Not possible	No warning. Program gives wrong results.

















	Method example		
<pre>public class MethodExample {</pre>			
pul	olic static void main(String[] args) {		
	double boxweight= 50;		
	double boxCube= 10;		
	String boxID= "Box A";		
	<pre>double density= getDensity(boxWeight, boxCube);</pre>		
	<pre>System.out.println("Density: "+ density);</pre>		
,	printBox(boxWeight, boxCube);		
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pu	<pre>double result= bw/bc; // 'result' could be 'density' return result;</pre>		
}			
pul	plic static void printBox(double w, double c) {		
	System.out.println("Box weight: "+w+" cube: "+c);		
	System.out.println(" Density: "+getDensity(w,c));		
11	System.out.println(" ID: "+boxID); // No access to ID		









