Introduction To Object-Oriented Programming

Part I: You will learn how to define classes, create objects, call pre-defined methods.



James Tan

James Tam

- •There are different approaches to writing computer programs.
- •They all involve decomposing your programs into parts.
- •What is different between the approaches (how the decomposition occurs)/(criteria used for breaking things down")
- •There approach to decomposition you have been introduced to thus far:
 - Procedural
 - Object-Oriented (~2 weeks for CPSC 231)









































<u>Defining Methods With Parameters: Different</u> <u>Types</u>		
Parameter type	Format	Example
Simple types	<method>(<type> <name>)</name></type></method>	<pre>method1(int x, char y) { }</pre>
Objects	<method>(<class> <name>)</name></class></method>	<pre>method2(Person p) { }</pre>
Arrays	<method>(<type> [] <name>)</name></type></method>	<pre>method3(Map [][] m) { }</pre>
When <i>callin</i> g passed e.g., Multiple para	g a method: Only the names of the system.out.println(num, ag ameters are separated with a co	he parameters must be e); mma.
		Laure -

Defining Methods, Specifying Return Values: Different Types

Return type	Example	
Simple types	<pre>int method1() { return(0); }</pre>	
Objects	<pre>Person method2() { Person p = new Person(); return(p); }</pre>	
Arrays	<pre>Person [] method3() { Person [] p = new Person[3]; return(p); }</pre>	
Nothing	<pre>Person void method4() { if (age < 0) { return; } else { //Process the age variable. } }</pre>	



























