





| <pre>Overloaded extends Object {     public class Overloaded extends Object {     public int tryMe (Object o) {         return 17;     }     public int tryMe (String s) {         return 23;     }     public boolean equals (String s) {         return true;     }         public boolean equals (Object)         is inherited from Object</pre>   | <pre>Develoaded (public class Overloaded {     public int tryMe (Object o) {         return 17;         public int tryMe (String s) {             verloaded over = new Overloaded ();             System.err.println (over.tryMe (over));             System.err.println (over.tryMe (new String ("test")));             System.err.println (over.tryMe (new String ("test")));             System.err.println (over.equals (new String ("test")));             System.err.println (over.equals (new String ("test")));             System.err.println (obj2.equals (new String ("test")));             true             false             false</pre> |
|---|--|
| <pre>public class Overwhelming {     public int tryMe {Object o, String s} {         return 17;         public int tryMe {String s, Object o} {         return 23;         public static void main{String[] args} {         Overwhelming over = new Overwhelming [;         System.err.println (over.tryMe ("test1", "test2"));         }         Compiler error:         The method tryMe{Object, String} is         ambiguous for the type Overwhelming</pre> | <ul> <li>Overloading and overriding together can be overwhelming!</li> <li>Avoid overloading whenever possible: names are cheap and plentiful</li> <li>One place you can't easily avoid it: constructors (they all have to have the same name)</li> <li>But, can make static "factory" methods instead (this is usually better)</li> </ul>   |
| from Class 2<br>Java Buzzword Description   |  |

"A simple, object-oriented, distributed, interpreted, robust, secure, architecture neutral, portable, high-performance, multithreaded, and dynamic language."

[Sun95]

Later in the course, we will discuss how well it satisfies these "buzzwords".