

Recap — Classes and Objects

- Objects are a "nice" way of packaging together related data and code a little like C struct but with code too.
- A class is a template for making objects defines variables (one copy per object, unless static) and related functions ("methods").
- Non-static methods operate on objects must have an object to apply them to, which acts like a hidden parameter to the method.
- Static methods don't have this hidden parameter more like C functions.
- Java variables are either "primitives" (like C variables) or *references* to objects. Objects are created only with new.

Slide 2

Slide 4



String Class, Continued
In general, no operator overloading in Java, with one exception — "+" for strings.
To compare two strings, "==" is rarely what you want. Instead, use equals.
Strings are "immutable" — once created, can't be changed. (Why? allows them to be safely shared.) Methods you would think change the value return a new string.
Use StringBuffer if you need something you can change, or for efficiency.





