

Slide 1



Slide 2

Slide 3



- Basic syntax similar to C (declarations, expressions, if/then/else, loops).
- Variables primitive types, reference types.
- Declaring classes variables and methods; static.
- Inheritance and interfaces.
- Java library classes String and System.out.

Generics
Java library includes classes for collections of things (Vector, e.g. — like an expandable array). Originally, could put any kind of Object in one of these. Nice, except that then there's no way to know anything about types of objects inside except by using reflection (*much* later, if at all) or instanceof operator. Must also use explicit casts to do much with objects retrieved from collection.
So in Java 1.5 (a.k.a 5.0), there are "generics" — similar to C++ template classes. Idea is to allow you to specialize a collection — so, a Vector of Integer objects only, or a Vector of Shape objects only, etc., etc.
Let's do some examples ...
Let's also look at API for MainFrame in the game framework ...



