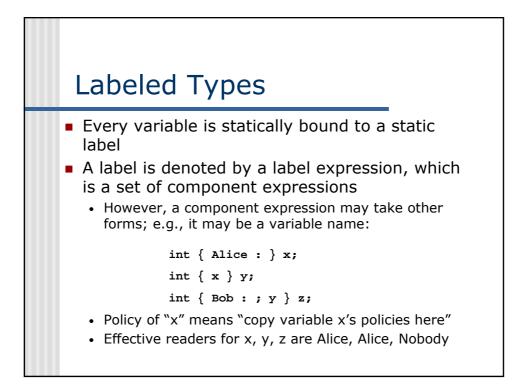
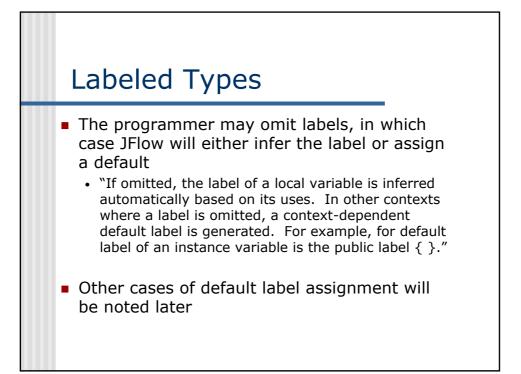
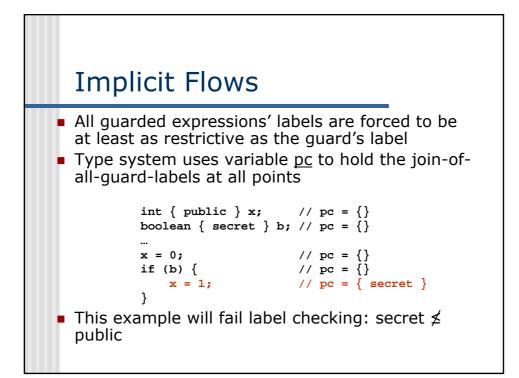


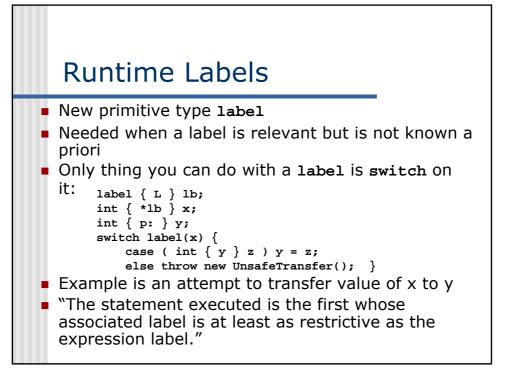


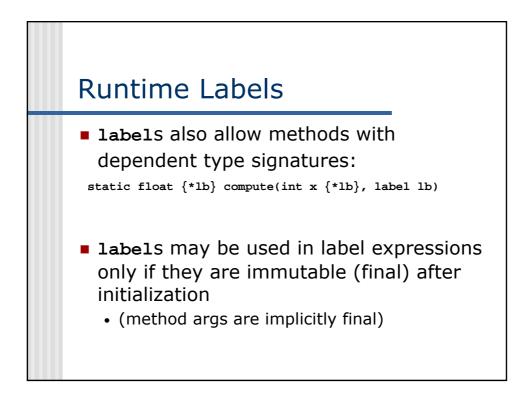
- A principal may choose to relax (add readers to) a policy that it owns; this is declassification
 - "Safe" because other policies are not affected
- Some principals are allowed to *act for* other principles
 - There is a "principal hierarchy" that can be updated dynamically
 - Not a key detail

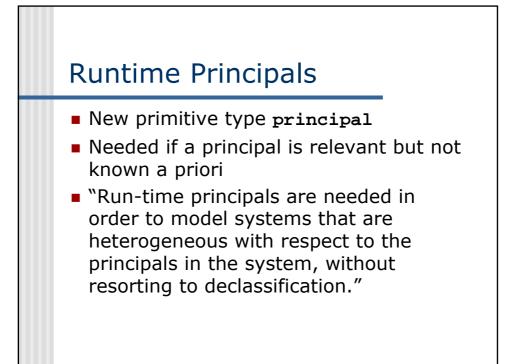


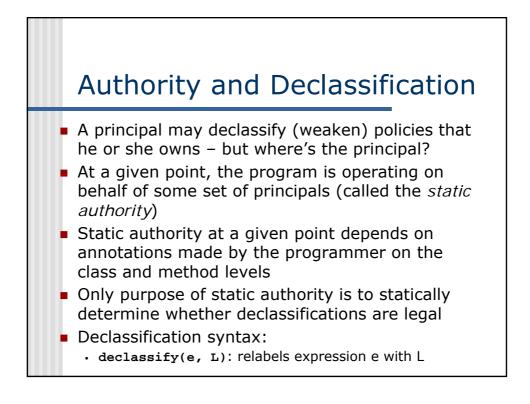


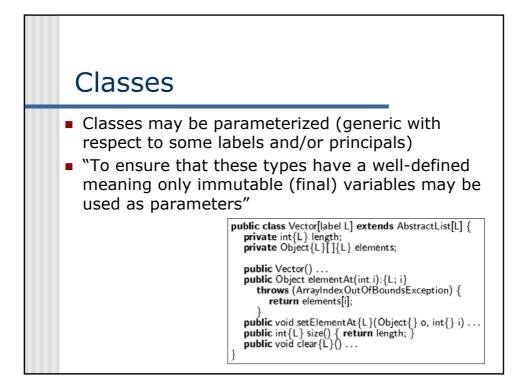


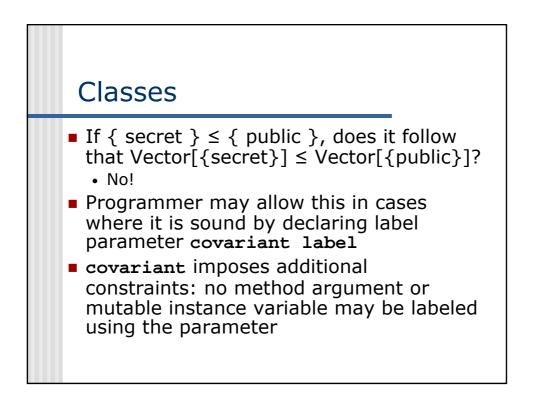


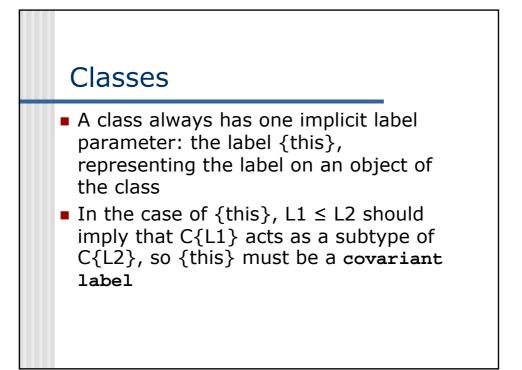


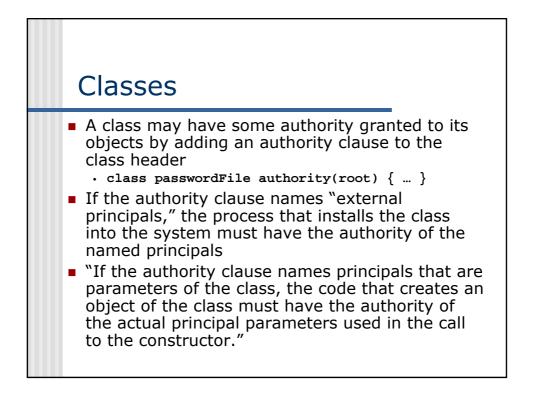


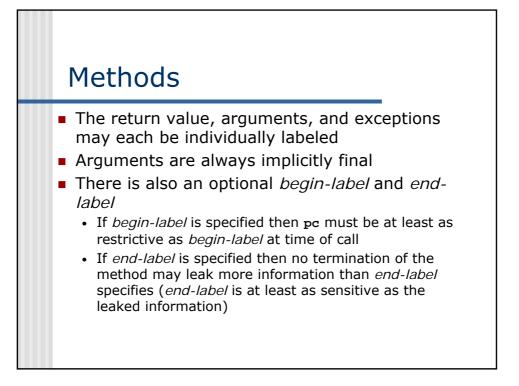


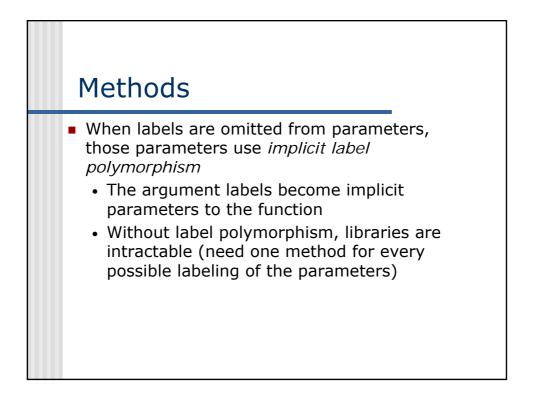


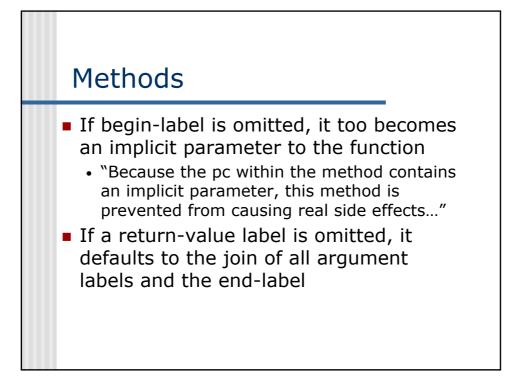




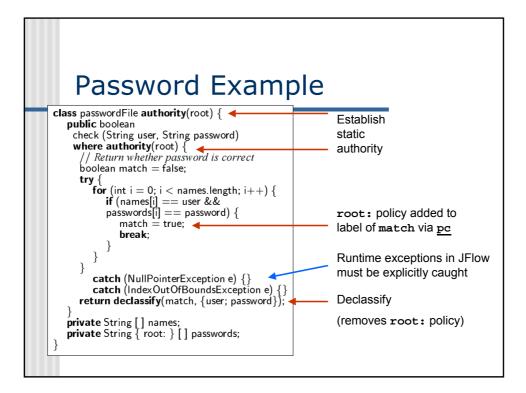


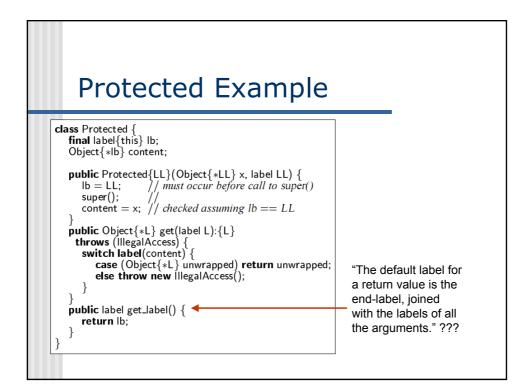






Methods
<pre>static int {x;y} add(int x, int y) { return x + y; } Return value label</pre>
<pre>boolean compare_str(String name, String pwd) : {name; pwd} throws(NullPointerException) {} End-label</pre>
Explicit label parameter? boolean store[L] (int{} x) throws(NotFound) {} Parameter label







- Complete set of rules for type and label checking are given in the journal paper
- The checking subsystem generates a system of constraints that are solved by a fast constraint solver
- Theoretical argument for why it's fast
- "The observed behavior of the JFlow compiler is that constraint solving is a negligible part of run time."

