

Administrivia

- Homework 1 design was due Thursday; looks like most have turned in something reasonable.
- Homework 1 code due today.
- Homework 2 writeup on Web later today; design due next Tuesday.
- Quiz 1 Thursday — open book / open notes, end of class, about 10 minutes.
- Copying files from Windows to Sol:
Start → Run → `\\sol.cs.trinity.edu`
should bring up your home directory on Sol.

Slide 1

Recap — Inheritance

- Class/subclass relationship has two aspects:
 - Code reuse.
 - Subtyping.
- No multiple inheritance, but can achieve similar effect with “interfaces”.

Slide 3

A Few More Java Basics

- Keyword `this` references “current object”.
- Constructors much as in C++.
 - Same name as class, no return type.
 - Can have more than one, with different parameters.

Slide 2

Inheritance and Polymorphism

- If `ClassB` extends (is a subclass of) `ClassA`, we can use a `ClassB` object anywhere a `ClassA` is wanted.
- If `ClassB` implements `InterfaceA`, we can use a `ClassB` object anywhere an `InterfaceA` is wanted.
- If `x` references a `ClassB` object, anytime we call `x.foo()`, we get the implementation of `foo()` for `ClassB` — no matter what the type of `x` is.

Slide 4

Minute Essay

- What are you finding most difficult/unclear so far?