CS 216

Lecture 5
February 14th, 2013

Administrivia

Scalars vs. objects

Scalars: base mathematical types (plus pointers)

Objects: instantiations of classes

Big difference

Objects are initialized by their class's constructor

Scalar initialization is **undefined**.

Constructors

Default Constructor

If you don't provide *any* constructors, C++ provides a default one (which does nothing).

If you provide a non-default constructor, this does not happen.

Which means you must explicitly provide a default constructor if your class should have one!

In derived classes, a constructor of the base class *must* be called.

This is implicit if the base class has a default constructor.