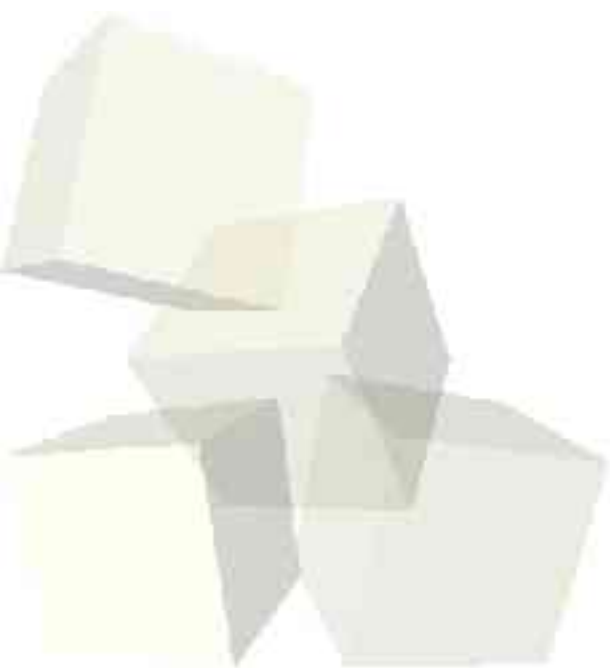




Scoping Rules

9-21-2004





Opening Discussion

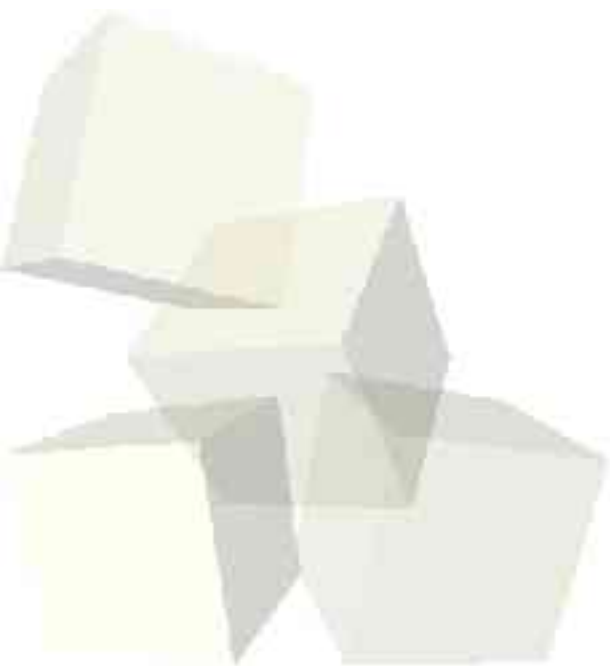
- What did we talk about last class?
- One thing we didn't talk about last class was binding of names so we will have to make sure that turns up in the discussion today.
- Your project ideas are due two weeks from today so make sure that you are considering things to do for that.





Discussion Questions

- Let's go through your discussion questions for today.





Significant Points

- Type inference
- Scope
 - ◆ Static scoping – determined at compile time
 - ◆ Nesting subprograms
 - Embedded functions can't be called unless parent is active.
 - ◆ Dynamic scope – what variable you are using is determined at runtime
 - Unsafe and not widely used today.
- Scope and Lifetime – static in C/C++ lets memory live beyond scope



More Significant Points

- Referencing environment
- Named Constants
- Variable Initialization – why does only Java initialize everything?

