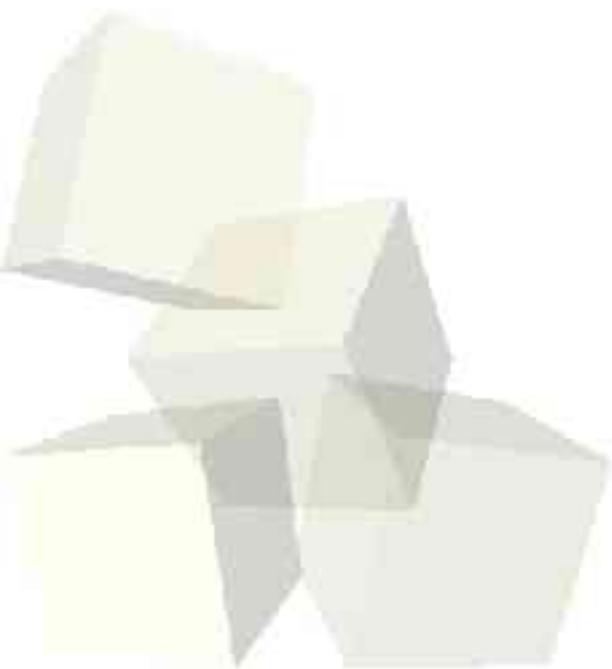




# Language History 2

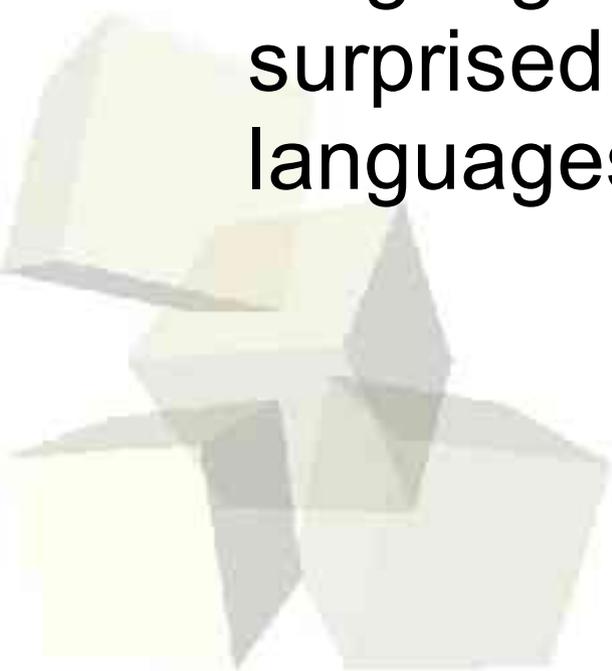
9-2-2004





# Opening Discussion

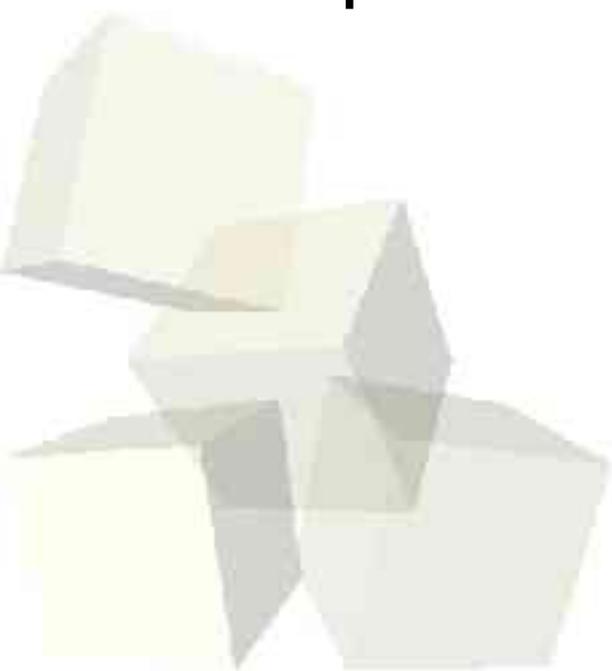
- Do you have any questions about the material from last time?
- As a general question, how many of you were surprised by how primitive older languages were? How many of you were surprised by how advanced some of the languages were decades ago?





# Discussion Questions

- Let's go through your discussion questions/comments. Today is a bit easier in many ways because we are a lot closer to the present and to things that we have experience with.





# Significant Points

- Simula 67 – data abstraction and the beginning of OO
- ALGOL 68 – orthogonality everywhere and user defined data types
- Descendants of ALGOL
  - ◆ Pascal – simplicity
  - ◆ C – systems programming
  - ◆ Modula-2 and Oberon
- Prolog – logic programming
- Ada – a language designed by the DoD for the DoD.



# More Points

- Smalltalk – true object orientation, everything is an object
- C++ – mixing OO and other stuff into an imperative language
- Java – perfection ;) (Not really, but I have to see if people catch this.)
- JavaScript and PHP – born of the web for scripting on pages
- C# – Microsofts answer to Java, fixes some problems, possibly create others