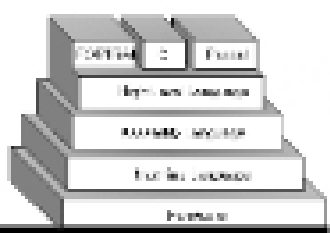


CSE 452: Programming Languages

Lecture 8

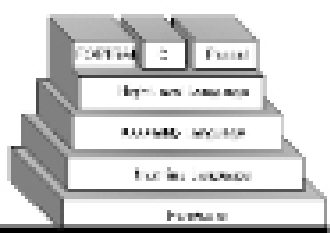
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Outline

- ◆ Control Structures
 - Selection Statements
 - Iterative Statements
 - Unconditional Branches

- ◆ Subprograms and Procedures



Iterative Statements

- ◆ Repeated execution of a statement or compound statement
 - accomplished either by iteration or recursion;
 - here we look at iteration, because recursion is a unit-level control (e.g., using functions)
- ◆ General design issues for iteration control statements:
 1. How is the iteration controlled?
 - ✧ Counter-controlled vs logical-controlled
 2. Where should the control mechanism appear in the loop?
 - ✧ pretest (before loop body is executed) vs posttest (after loop body is executed)