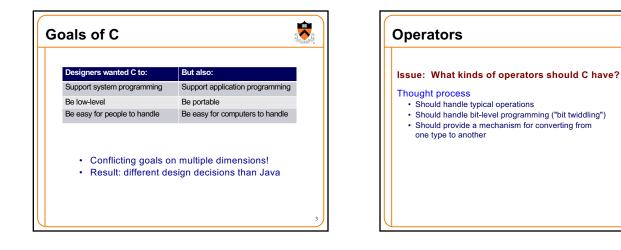
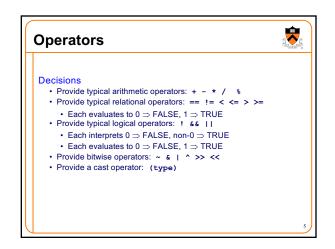
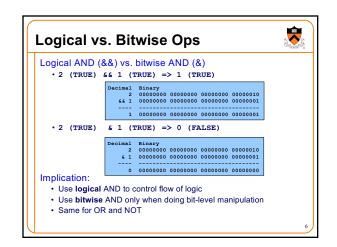
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Assignment Operator

Issue: What about assignment?

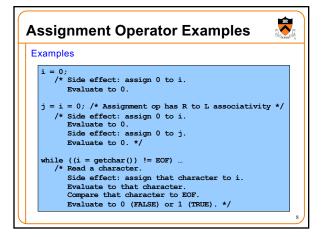
Thought process

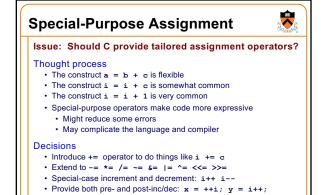
- · Must have a way to assign a value to a variable
- Many high-level languages provide an assignment statement
- Would be more expressive to define an assignment operator
 Performs assignment, and then evaluates to the assigned value
- Performs assignment, and then evaluates to the assigned value
 Allows assignment to appear within larger expressions

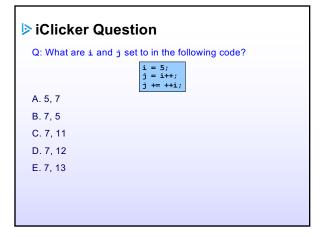
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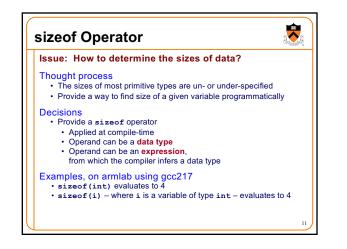
Decisions

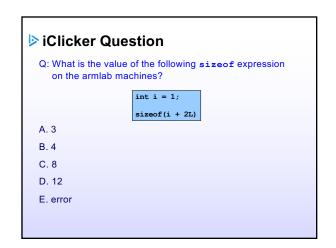
- Provide assignment operator: =
- Define assignment operator so it changes the value of a variable, and also evaluates to that value

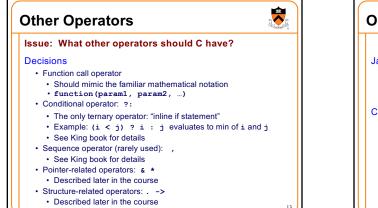


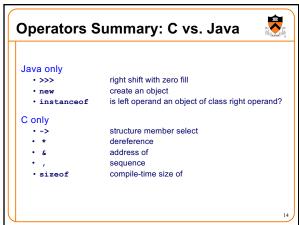


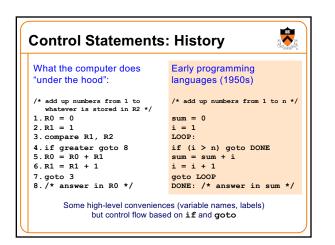


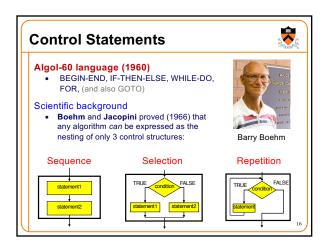


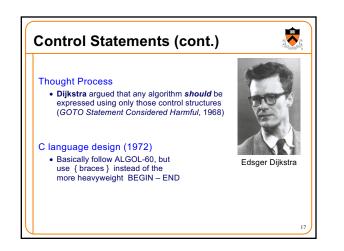


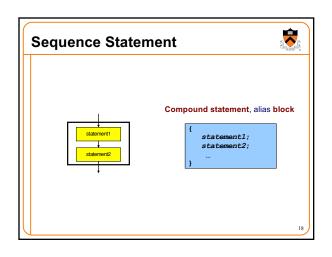


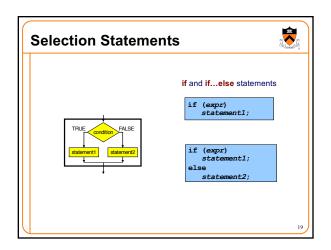


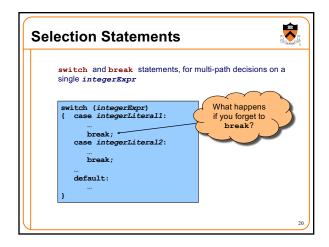


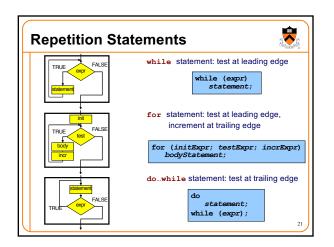


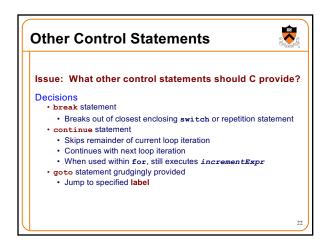


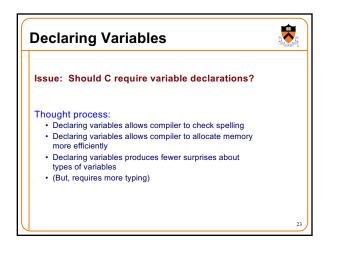


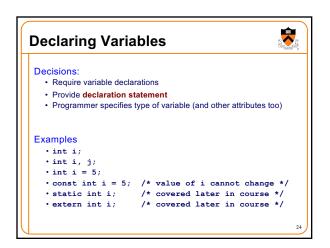


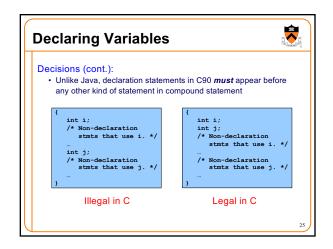


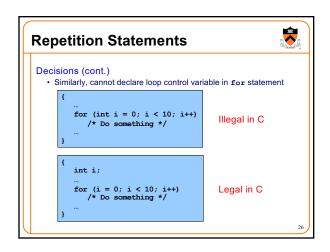


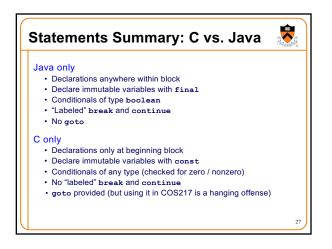


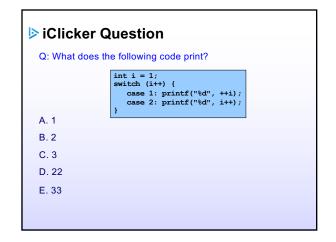


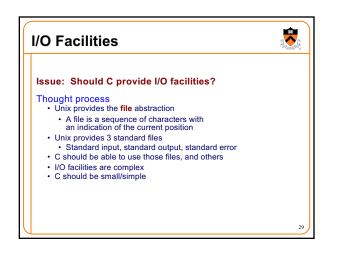


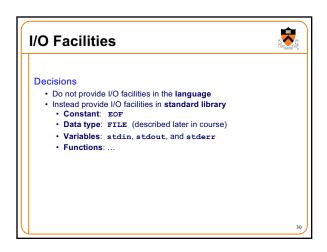












Reading Characters

Issue: What functions should C provide for reading characters from standard input?

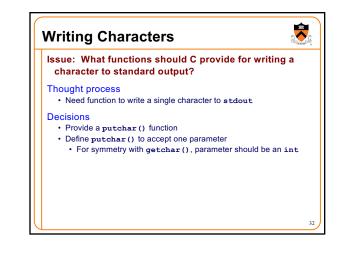
Thought process

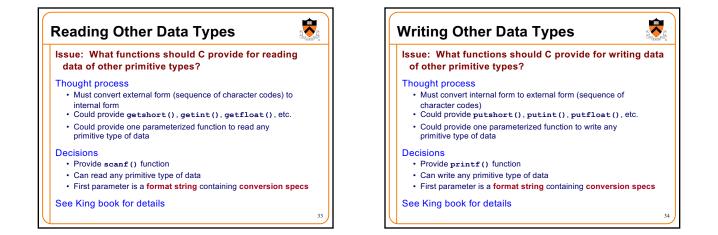
- Need function to read a single character from stdin
- Function must have a way to indicate failure, that is, to indicate that
 no characters remain

Decisions

- Provide getchar() function
- Make return type of getchar() wider than char
- Make it int; that's the natural word size
- Define getchar() to return EOF (a special non-character int) to indicate failure

Note: there is no such thing as "the EOF character"





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