

Zelle 3e

Chapter 8

Highlights

- FOR/IN is absolutely fine when you can use it.
- FOR/IN automatically detects and handles EOF.
- Design Pattern: end-of-file (EOF) loop
- While loops require explicit EOF checking.
- While loops are pre-test loops.
- Watch out for infinite loops!
- Design Pattern: Sentinel Loop
- *Priming* read as in *prime the pump*
- Nested Loops: Lines, entries on the line
- Boolean values, logic, algebra, simplification
- Even non-Boolean values have a Boolean interpretation.
- Post-test loops can be simulated in python.

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Demos

- Demonstrate programs that prompt for numeric input from console and continue prompting until a valid response is entered:
 - accumulate_ints.py
 - accumulate_floats.py
 - ls430_console_helpers.py
 - refactored_accumulate_ints.py
 - refactored_accumulate_floats.py

