While Loop

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Opening Discussion

- Minute essay comments
    - What is an index?
    - Can Scala be used to program music?
    - Is there any way to avoid aliasing other than being careful?
    - Complexity of putting pieces together.
    - Difference between recursion and making something happen many times with something like fill.
    - How many collections does Watson have?
- IcP Solutions

while Loop

- Recursion is sufficient for making repetition, but in imperative languages it isn't the normal approach. Instead, people use loops.

- The simplest loop is the while loop.

  - while(*condition*) *statement*

- The condition is evaluated first. If it is true the statement (possibly a block) executes.

- This repeats until the condition is false.

do-while Loop

- The partner to the while loop is the do-while loop.
    - do {
        - *statement*
    - } while(*condition*)
- This loop is post-check instead of the pre-check of the normal while loop.
- Always happens once.
- The while loop might never happen.

Minute Essay

- Any questions?

- Midterm is on Friday. When would a review session work for you?