While Loop

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Opening Discussion

- Minute essay comments
  - Difference between tabulate and fill.
  - Can Scala programs be used to make graphs and charts?
- 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 next Wednesday. When would a review session work for you? (Monday or Tuesday)