We think carefully about how decisions are made in programs.

1. Questions?
2. Review where we are.
3. Functions in more detail.
   (a) Recall: The Syracuse function.
   (b) Gathering results into lists:
       i. Lists are ordered collections between brackets ([3, 5, 4]).
       ii. Elements of lists can be referenced by index, starting at 0 (l[3]).
       iii. Lists can be concatenated through addition (l1 + l2).
       iv. The length of a list is determined by len(l).
       v. Many other operations (peek ahead to Chapter 10!).
   (c) Computing the orbit of the syr function.
   (d) Generalizing orbit.
   (e) Notions of interface, refactoring, reuse, and interface.
4. Careful thought about conditions.
   (a) Basic operations: generating boolean values
   (b) Combining boolean values: and, or, and not.
   (c) The boolean nature of non-boolean values.
   (d) The sameness of objects, the meaning of is, and the solitary None.
   (e) Source of midterm questions: simplifying boolean expressions.
5. Full details on if.
   (a) The if-then-else version.
   (b) The if-then-elif-elif-...-else version.
   (c) Nesting.
   (d) Suites and the pass statement.
6. The while loop, break, and continue

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