basic Design Recipe summary

last modified: 2022-08-30

- **Think** about the data involved in the function.

- In the function's opening comment, give the function's **signature** (following CS 112 course style).

- In the function's opening comment, give the function's **purpose statement** (following CS 112 course style).

- Write the function **header** (followed by an empty body, for now)

- Back up in the function's opening comment, **write at least two tests (and at least one test for each "category" of data involved)**, written (whenever possible) **as `bool` expressions that should be `true` if specific calls of that function work** as they should.

  - For interval data, include tests for each of the **boundaries** between intervals as well as tests for each interval.

- Complete the function **body**

- Write a testing `main` function to print the results of actually running those tests.

- Compile the resulting program, see if the tests run.