

## About Exam 2

The structure of Exam 2 will be very much like that of Exam 1. Again, there are three types of questions:

- “What does this code do?”
- “What is wrong with this code?” (and possibly, “How can we fix it?”)
- Write code that does .....

This course builds on itself and you need to know the topics from early in the semester to answer the questions from Exam 2, but the exam will concentrate on just a few topics that we have covered since Exam 1:

- Recursion. You might look back over Lab 5 which had some numerical recursions, some string recursions, and some recursive pictures.
- Data Structures: Lists, Dictionaries, Sets
- Classes. There are a lot of topics to classes, including
  - instance variables and class variables
  - constructors: `__init__`(...)
  - `self`
  - methods
  - creating objects
  - subclasses and inheritance # this will be on the final, not on exam 2
  - overriding inheritance # this will be on the final, not on exam 2