

Assignment 1

Deadline: Tuesday, March 10th, 2026

Overview

This assignment (*borrowed from Cornell University's CS1110*) is designed to test your understanding of recursion and its applications.

You are given starter package as 'a1_starter.zip' to help you get started with the assignment. This zip file contains the following:

- **a4.pdf** - The detailed problem statement for the assignment.
- **code/a4_classes.py** - The file containing the classes you need to implement
- **code/a4_samples.py**
- **code/a4_test.py** - A test file to help you test your code
- **code/a4.zip** - Skeletal code to be filled in by students

*The file names are prefixed with **a4** instead of **a1** because the assignment was originally designed for a different course.*

Submission

The **only** file you are required to submit is:

- **a4.py** - The file containing your code (***do not** rename this file or the test cases may break*)

Upload this single file on moodle.