

CSCA48 Exercise 6

Due: February 23, 2014. 5:00pm

Building a Doubly Linked List

Since you'll be doing this one over the reading week, we'll keep it simple. We've supplied you with a starter file `ex6.py`, your task is simply to complete all of the methods specified in that file. That is, you will be building a Doubly-Linked List. You may use the code for Linked List given in lecture to help you get started, but remember, there's twice as many references to deal with now. (We highly recommend drawing examples before trying to code).

Just for fun: Banana Game

This one won't be marked, but it'll be a fun exercise to keep you busy during the reading week (and give you yet more recursion practice).

Write a function called `banana_game`, that takes a two strings, one representing the string you will try to re-arrange into `BANANA`, and one that will be one of `QUEUE`, `STACK` or `BUCKET`. Return `True` iff the first string can be turned into `BANANA` using the rules of the banana game from ex1 with the specified type of container. For an added challenge, try to return the list of moves required to win the game.