

Computer Science 112, Summer 2017

Assignment 2

Due: 2 **AM**, Wednesday **morning**, July 12. Note that it is due early Wednesday morning (i.e., very late Tuesday night).

Attached files to down load and complete

- CLL.java
- Stack.java
- Queue.java
- Client.java

What to do

File CLL.java implements circular linked lists (correctly, I believe). You should not change this file, nor will you hand it in. You will use these CLL's to implement Stacks and Queues, in the corresponding java files. You should not change anything in Stack.java or Queue.java except to add code where it says “fill in here” in order to implement the methods in those files (the constructor, push, pop, and isEmpty for Stack.java, and the constructor, enqueue, dequeue, and isEmpty for Queue.java).

Then you should add code to finish methods printStack and flipStack in Client.java. Hint: printStack needs to create and use a second stack and flipStack needs to create and use a queue.

Feel free to add main methods to any files in order to test your code. They must compile without errors, but otherwise will be ignored.

Handing in

Attach each of the three files Stack.java, Queue.java, and Client.java as separate attachments to this assignment on Sakai. Note that this assignment is due at 2 **AM**, Wednesday **morning**, July 12. (If you prefer you may think of it as late Tuesday night).