Pre-lab Worksheet CS163 Review – Linear Linked Lists

Each group member should collaborate on this worksheet. All online students should participate!

The goal of these worksheets is to help prepare you for the next step in programming!

It is **optional** if you receive an **E** (Excellent) or **P** (Proficient) on the midterm proficiency demos

Accessing Data in a Linear Linked List Assume the following list has already been created

head		25 35 45 55
	I	
current		
	_1.	List one reason why we need more than a head pointer when working with a linear linked list:
	_2.	Create the variable definition for current:
	_3.	Set current to point to the first node (25):
	_4.	Write the code for each of the following operations:
	a.	display the contents of the first node (25):
	b.	display the contents of the second node(35), using head:
	c.	traverse to the second node and display its contents (35) using current:
	_5.	Assume that we have done some traversal through the linked list, how do we know if we are done traversing through all of the nodes?
	_6.	Or, how do we know if we are AT the last node?

Setting up a LLL:

6.

