

Minh Nguyen

CS 162

lab 9

Design

I still design this lab by creating a struct with two variables, a pointer to traverse the list, and the variable to hold the int type of data. Then I will make 4 functions called first, insert, remove and print. The first function is to create a head pointer for the first insertion of the linked list. The insert function will allow for subsequent insertions of integer into the list and I will be linking each insertion up via the pointer in the struct. The remove function will be an attempt to remove every 3rd suitor as the lab describes. And the print function will print out the last suitor that remains.

Testing

To test this program, I will begin by hard coding numbers into my linked list to make sure that the list is being linked properly. To ensure that it is, I will print out each iteration of the loop to see what is being added to the list. I will do the same with the remove feature, simply printing out what item is being removed to see if it works as planned.

Reflection

Upon finishing this lab, I was unable to come up with an algorithm to correctly remove the linked items in the fashion that was required. I was only able to remove every item in the list, but not every third item. I also did not find enough information on how to make my list into a circular list so I was unable to traverse through the list as intended for this lab. I am turning in my assignment as is, and I hope for some feed back on how to approach this problem in the future.