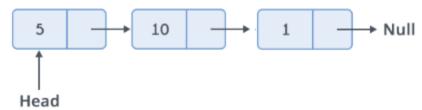
7.5 - The Last Part of Lab5

- Refer to the full directions for Lab5 if you need to: https://docs.google.com/document/d/1Yh8zNchxV2V3-8jg4dg6PvJlymOa4WivgNeD0dA hdvk/edit?usp=sharing
- 2. Add the delete() function to your linked_list.c

 delete() should take the head and a value as arguments, traverse the list, and
 remove the first node in the list that contains the specified value and free the memory
 for that node. For example, if we called:

head = delete(head, 20) was called on the linked list that contained 5-10-20-1 the linked list after delete() returned would contain:



Hints:

- You can look at the binary search tree code we wrote in class or a different version of binary search trees in Section 6.5 in Kernighan and Ritchie, although it can be good practice to try to finish the lab without looking!
- You are essentially splicing out a node from the list. Looking at the above diagram with 5-10-1, if we wanted to remove 10, we would have to:
 - navigate to 5 (one *before* the one we want to delete)
 - be able to get what 10 is pointing to (the next of the one we want to delete)
 - set 5->next to be 10->next
 - free 10
- Also, *never* attempt to access a pointer after it has been freed! In the above example, we must deal with 10->next before freeing 10.

Turn in your code to moodle in lab5.5.tgz It should have:

- linked list.h
- linked list.c
- lab5.txt (that has your name as the driver)

There is a test main() for you in:

/home/msarris/csci235/lab5/test7.5.c