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alyalawad@Alys-MacBook-Pro Assignment 4 % cd "/Users/alyalawad/Desktop/Spring 2023/CSCE 1101/Assignments/Assignment 4/" && g++ main.cpp -o main && "/Users/alyalawad/Desktop/Spring 2023/CSCE 1101/Assignments/Assignment 4/"main
In file included from main.cpp:4:
In file included from ./LinkedList.h:3:
./Node.h:11:20: warning: default member initializer for non-static data member is a C++11 extension [-Wc++11-extensions]
    bool displayed = false;
                   ^
1 warning generated.
Enter number of integers to be taken: 5
Enter your integers: (5 integers)
1 2 3 1 1
Enter the first number: (The one to insert after)
1
Enter the number to be inserted:
0
Vector Contents before Linked List implementation.
1 0 2 3 1 0 1 0
Linked list contents:
1(3) 0(3) 2 3
The sum of the list is 8
Do you want to delete any nodes? yes
What number do you want to delete?
1
The node with info 1 could not be found.
List after deletion:
1(2) 0(3) 2 3
Do you want to delete any nodes? yes
What number do you want to delete?
2
List after deletion:
1(2) 0(3) 3
Do you want to delete any nodes? No

End of program:)
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Attached is the code from the program.

The code first stores the user's variables in a vector and does some operations such as the insert after where it includes a new variable (that the user inputs) after every occurrence of the first number, such as 1 and 0 in the following output example. The vector is then added into a LinkedList based on its occurrence in the vector. The brackets (if not displayed then there is only one occurrence) show how many times it is repeated.

Then there is a test program for the pop function to see if it works properly.