From my understanding, this assignment required the fulfilment of two separate tasks.

Task 1: The insertAfter function, which takes two integer values and after evey occurrence for the first value it adds the second value. That is why a vector is used here, because the size is flexible and adjustable. The question required a main program to be written and implemented.

Task 2: Create a Linked List class that contains the functions required

For Task 1:

A picture containing text

Description automatically generated

After running the code, I received this output, and it seems to be working fine. The code will be explained in the file through written comments.

For Task 2:

Task two required two files. A .h and a .cpp.

Regarding this function “void createLLFromVector(vector<int> v)”

Its job is to turn a vector into LL. Furthermore, it removes the repeated values and instead increments the occurrence in the nodes. For example, if a vector was

V: 1 2 1 1 3

LL:1 2 3

That is by using functions from both vectors and LL. Further explanation in the cpp file. I used GeeksforGeeks code to get ideas whenever I got stuck trying to implement code for the LL .