Part 3

1. To check GenAi’s code for correctness, the simplest way is to run the code with different test cases to see whether it works as expected. If there are errors or having unexpected results, I will review its code and fix the errors.

After checking the correctness and make sure the code runs as expected, I check the code hallucination by review its code from beginning to end. It is quite obvious to have some lines of code that does nothing or does not affect the program.

1. In the GenAI’s code, it uses the ListNode struct for the nodes, which corresponds to the Node class. I simply change all of the ListNode to Node and make it to template. Also, I modify it to use function like getNext() and getItem() for accessing variables instead of accessing them directly.