Programming Assignment 4: Queues Using Double-Linked Linear Lists

- **How I develop my assignment solution**
1. The process

This was the first time using cpp to complete the assignment, and I had no idea where and how to begin. Therefore, before starting the program, I searched on the internet to learn the basic syntax and the usage of some functions. After that I began my assignment. The first step is to complete Node.cpp and I thought it would be an easy part, however, it's quite different from C language so I still spent some time understanding what to do. Next it came to the most difficult section, IQueue.cpp. In some parts, the codes were similar to the C linear list practice, but there were also some differences. For example, the usage of new and delete. The final work to be done was the main file. I thought it was the simplest part in this assignment since I got to know the usage of class.

2. Problems I encountered

The most difficult part I thought in this program was to use a new programming language. Because of the unfamiliarity with the Cpp language, I had to spend lots of time learning new syntax and the functions. In all of my codes, the enqueue and dequeue are the hardest to me. However, after understanding the concept, I found it wasn't as difficult as I thought initially.