

classwork 3

task 1

1. Find a doubly linked list class in C++ and run the commands to add nodes A, B, C. Then delete the node B.
2. Declare two threads and assign one thread to delete the node B and the other thread to remove the node C.
3. Keep printing the output of every step and run the adding and deleting the nodes commands several times.
4. Reproduce the problem in chapter 3.1

task 2

1. Find a stack class list implementation in C++.
2. Add three elements and try to reproduce deadlock problems described in chapter 3.2.

task 3

Alphonse and Gaston are excessively polite. When they meet, the following happens: Alphonse bows and says: “After you.”. Gaston bows back and says: “No, after you.” Both refuse to proceed until the other goes first. They continue bowing forever. No progress is made. [The problem source code.](#)