

1. Compare between Stack, Queue and Deque.
2. Implement Template based Deque with operations push_front, push_back, pop_back, pop_front, front, back using a doubly linked-list.
3. Implement the function to reverse a deque in problem 2. The function should work in $O(1)$.
4. Implement the max and min operations in deque in problem 2. These functions will work in $O(n)$.