

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  $O(n)$ .