

```
1  #include <iostream>
2  #include "Ex04.h"
3
4
5
6  int main() {
7      mydeque<int> deque;
8
9      std::cout << "Start: " << deque.getSize() << std::endl;
10     deque.print_front();
11
12     deque.push_when_empty(32);
13     deque.push_front(2);
14     deque.push_front(1);
15     deque.push_back(3);
16     deque.push_back(4);
17     deque.push_back(7);
18     deque.push_front(9);
19
20     deque.print();
21
22     std::cout << std::endl;
23
24     std::cout << "The first element is: ";
25     deque.print_front();
26
27     std::cout << "The last element is: ";
28     deque.print_back();
29
30     do {
31         std::cout << std::endl;
32         std::cout << "pop_front(): ";
33         std::cout << deque.pop_front() << std::endl;
34         deque.print();
35     } while (deque.getSize() > 0);
36
37     std::cout << std::endl;
38
39     std::cout << "pop_front(): ";
40     std::cout << deque.pop_front() << std::endl;
41
42     std::cout << std::endl;
43
44     deque.push_when_empty(32);
45     deque.push_front(2);
46     deque.push_front(1);
47     deque.push_back(3);
48
49     return 0;
50 }
```