

```
1: #include "CircularBuffer.hpp"
2:
3: int main(){
4:     std::cout << "Test main.\n";
5:
6:     CircularBuffer test(100);
7:     test.enqueue(1);
8:     test.enqueue(2);
9:     test.enqueue(3);
10:    std::cout << "Peek: " << test.peek() << "\n";
11:
12:    std::cout << "Deq 1: " << test.dequeue() << "\n";
13:    std::cout << "Deq 2: " << test.dequeue() << "\n";
14:
15:    test.output();
16:
17:    // Test looping back around
18:    CircularBuffer test2(3);
19:
20:    test2.enqueue(1);
21:    test2.enqueue(2);
22:    test2.enqueue(3);
23:
24:    test2.dequeue();
25:    test2.dequeue();
26:    test2.dequeue();
27:
28:    test2.enqueue(1);
29:    test2.enqueue(2);
30:    test2.enqueue(3);
31:    test2.dequeue();
32:    test2.enqueue(4);
33:
34:    test2.output();
35:
36:    return 0;
37: }
```