

```
1 function Queue() {
2   this.queue = [];
3 }
4
5 Queue.prototype.enqueue = function(value) {
6   this.queue.push(value);
7 };
8 Queue.prototype.dequeue = function() {
9   return this.queue.shift();
10 };
11 Queue.prototype.peak = function() {
12   return this.queue[0];
13 };
14 Queue.prototype.length = function() {
15   return this.queue.length;
16 };
17 Queue.prototype.print = function() {
18   console.log(this.queue.join(' '));
19 };
20
21 var queue = new Queue();
22 queue.enqueue(1);
23 queue.enqueue(2);
24 queue.enqueue(3);
25 queue.print(); // => 1 2 3
26 console.log('length is 3:', queue.length()); // => 3
27 console.log('peek is 1:', queue.peak()); // => 3
28 console.log('dequeue is 1:', queue.dequeue()); // => 1
29 queue.print(); // => 2 3
30 console.log('dequeue is 2:', queue.dequeue()); // => 2
31 console.log('length is 1:', queue.length()); // => 1
32 console.log('dequeue is 3:', queue.dequeue()); // => 3
33 queue.print(); // => ''
34 console.log('peek is undefined:', queue.peak()); // => undefined
35 console.log('dequeue is undefined:', queue.dequeue()); // => undefined
36
```