

```
1 class Stack {
2   constructor() {
3     this.stack = [];
4   }
5
6   push(value) {
7     this.stack.push(value);
8   }
9
10  pop() {
11    return this.stack.pop();
12  }
13
14  peek() {
15    return this.stack[this.stack.length - 1];
16  }
17
18  length() {
19    return this.stack.length;
20  }
21
22  print() {
23    console.log(this.stack.join(' '));
24  }
25 }
26
27 const stack = new Stack();
28 stack.push(1);
29 stack.push(2);
30 stack.push(3);
31 stack.print(); // => 1 2 3
32 console.log('length is 3:', stack.length()); // => 3
33 console.log('peek is 3:', stack.peek()); // => 3
34 console.log('pop is 3:', stack.pop()); // => 3
35 stack.print(); // => 1 2
36 console.log('pop is 2:', stack.pop()); // => 2
37 console.log('length is 1:', stack.length()); // => 1
38 console.log('pop is 1:', stack.pop()); // => 1
39 stack.print(); // => ''
40 console.log('peek is undefined:', stack.peek()); // => undefined
41 console.log('pop is undefined:', stack.pop()); // => undefined
42
```