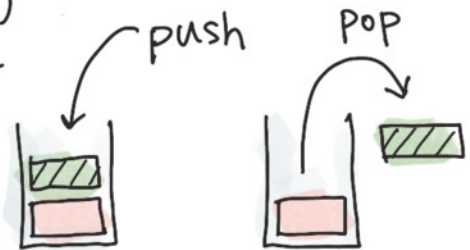


Data Structures

Stack & Queue

A stack is a LIFO (Last-in-First-out) data structure, where an element added last (=push) gets removed first (=pop)



♡ just like a stack of ice cream scoops!



☆ Stack as an array in JS

arrays in JavaScript are dynamic!

```
let stack = [ ];  
stack.push('mint choc');  
stack.push('vanilla');  
stack.push('strawberry');  
let eaten = stack.pop();
```

stack is:
// ['mint choc']
// ['mint choc', 'vanilla']
// ['mint choc', 'vanilla', 'strawberry']
// eaten is 'strawberry'
// ['mint choc', 'vanilla']

♡ Time complexity is $O(1)$ for both pop + push.

omg, the bottom one is always melting !!