Stack Pattern

1. **Creating a Stack:**

here we have to implement a stack or variation of a Stack

**Question :**

* [Implement Stack Using Queues](https://leetcode.com/problems/implement-stack-using-queues/description/)
* Implement Basic Stack
* [Implement Min Stack](https://leetcode.com/problems/min-stack/)

**Trick :**

Create the stack with a linked list is much easier but array one need you to handle pointer your self so just make sure if stack is empty top = -1 and stack is empty means and the stack is empty if top is arr.length-1

1. **Working With Parenthesis:**

When working with parenthesis or a pair of element one after another we can use stack almost 90% of the time

* [Asteroid Collision](https://leetcode.com/problems/asteroid-collision/)
* [Remove All Adjacent Duplicates In String](https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/)
* [Remove Outermost Parentheses](https://leetcode.com/problems/remove-outermost-parentheses/)
* [Valid Parentheses](https://leetcode.com/problems/valid-parentheses/)

1. **Converting Recursion to Iterative:**

We can convert every recursion solution to iterative with the help of stack this is used for tree traversals and making backtracking solution to iterative solutions :

* [Inorder Traversal (Iterative)](https://practice.geeksforgeeks.org/problems/inorder-traversal-iterative/1/)
* [Preorder traversal (Iterative)](https://practice.geeksforgeeks.org/problems/preorder-traversal-iterative/1/)
* [Flood fill](https://leetcode.com/problems/flood-fill/) leetcode