

# Stack Placement Preparation - Checklist

This checklist is designed to help you prepare for stack-related questions in coding interviews.

## BASICS

- ☒ Implement Stack using Array
- ☒ Implement Stack using Linked List
- ☒ Balanced Parentheses Checker
- ☒ Infix to Postfix Conversion
- ☒ Postfix Evaluation

## STANDARD PROBLEMS (LeetCode / GFG)

- ☒ Valid Parentheses
- ☐ Next Greater Element
- ☐ Min Stack
- ☒ Duplicate Brackets
- ☐ Remove Adjacent Duplicates
- ☐ Celebrity Problem

## MEDIUM LEVEL

- ☐ Largest Rectangle in Histogram
- ☐ Decode String
- ☐ Simplify Unix Path
- ☐ Evaluate Reverse Polish Notation
- ☐ 132 Pattern
- ☐ Asteroid Collision

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## ADVANCED / DESIGN

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- ☐ Design Stack with getMin/getMiddle in O(1)
- ☐ Remove K Digits to make smallest number
- ☐ Maximal Rectangle in Binary Matrix
- ☐ Longest Valid Parentheses

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## UTILS (OPTIONAL)

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- ☐ Custom Stack Class
- ☐ Reusable Stack Methods

TIP: Solve problems from each level progressively. Focus on concepts like Monotonic Stack, Two Stacks, Stack in Recursion, etc.