**Beginner-Level Stack Problems**

1. **Valid Parentheses** (Easy)  
   Problem Link  
   *Check for balanced parentheses using a stack.*
2. **Min Stack** (Medium)  
   Problem Link  
   *Implement a stack that supports retrieving the minimum value in constant time.*
3. **Implement Queue using Stacks** (Easy)  
   Problem Link  
   *Learn how to use two stacks to simulate a queue.*
4. **Baseball Game** (Easy)  
   Problem Link  
   *Use a stack to manage operations in a game scoring system.*
5. **Remove Outermost Parentheses** (Easy)  
   Problem Link  
   *Extract and remove valid parentheses using a stack.*
6. **Next Greater Element I** (Easy)  
   Problem Link  
   *Use a stack to find the next greater element for each number.*

**Intermediate-Level Stack Problems**

1. **Daily Temperatures** (Medium)  
   Problem Link  
   *Use a stack to find the number of days until a warmer temperature.*
2. **Next Greater Element II** (Medium)  
   Problem Link  
   *Apply a stack to solve the circular array next greater element problem.*
3. **Evaluate Reverse Polish Notation** (Medium)  
   Problem Link  
   *Use a stack to evaluate postfix expressions.*
4. **Car Fleet** (Medium)  
   Problem Link  
   *Simulate car fleets using stacks.*
5. **Simplify Path** (Medium)  
   Problem Link  
   *Use a stack to simplify Unix-style file paths.*
6. **132 Pattern** (Medium)  
   Problem Link  
   *Detect a 132 pattern in an array using a stack.*
7. **Asteroid Collision** (Medium)  
   Problem Link  
   *Use a stack to handle collisions between asteroids.*
8. **Remove K Digits** (Medium)  
   Problem Link  
   *Use a stack to form the smallest possible number by removing digits.*

**Advanced-Level Stack Problems**

1. **Largest Rectangle in Histogram** (Hard)  
   Problem Link  
   *Find the largest rectangle in a histogram using a monotonic stack.*
2. **Maximal Rectangle** (Hard)  
   Problem Link  
   *Extend the largest rectangle in histogram approach to 2D matrices.*
3. **Basic Calculator** (Hard)  
   Problem Link  
   *Evaluate expressions with parentheses using a stack.*
4. **Basic Calculator II** (Medium)  
   Problem Link  
   *Handle operator precedence in arithmetic expressions.*
5. **Decode String** (Medium)  
   Problem Link  
   *Use a stack to decode encoded strings with nested patterns.*
6. **Longest Valid Parentheses** (Hard)  
   Problem Link  
   *Use a stack to find the length of the longest valid parentheses substring.*