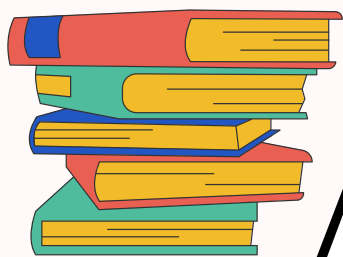
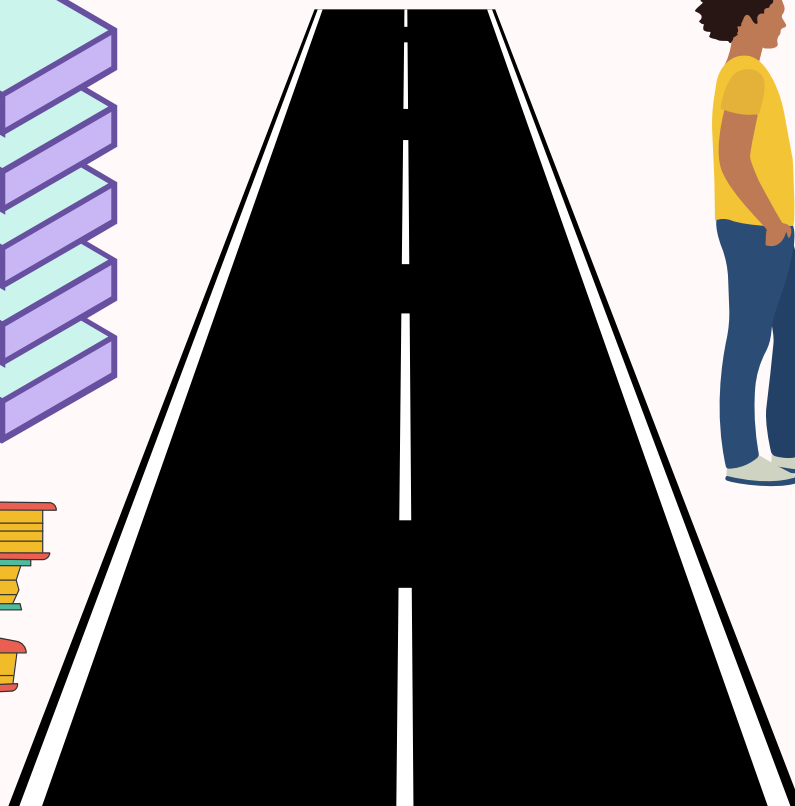
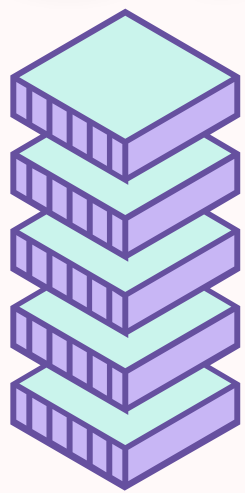


# 15 DAYS OF STACK & QUEUE ROADMAP



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# Day 1 : Introduction to Stack and Queue

- **LeetCode Problem: Implement Stack using Queues**

(<https://leetcode.com/problems/implement-stack-using-queues/>)

- **GeeksforGeeks Article: Introduction to Stack**

(<https://www.geeksforgeeks.org/introduction-to-stack/>)

- **Complete Stack Playlist**

(<https://www.youtube.com/playlist?list=PL2WIAk12gMGcGn3MWblELxtwBJQULfuFn>)





# Day 2: Basic Stack Operations

- **LeetCode Problem: Min Stack**  
(<https://leetcode.com/problems/min-stack/>)
- **GeeksforGeeks Article: Basic Stack Operations**  
(<https://www.geeksforgeeks.org/basic-operations-in-stack/>)
- **Code Implementation: Stack Implementation in C++**  
(<https://www.geeksforgeeks.org/stack-data-structure-introduction-program/>)





# Day 3: Stack Applications

- **LeetCode Problem: Valid Parentheses**  
(<https://leetcode.com/problems/valid-parentheses/>)
- **GeeksforGeeks Article: Applications of Stack**  
(<https://www.geeksforgeeks.org/applications-of-stack/>)
- **Code Implementation: Reverse a String using Stack in Java**  
(<https://www.geeksforgeeks.org/reverse-a-string-using-stack/>)





# Day 4: Introduction to Queue

- **LeetCode Problem: Implement Queue using Stacks**  
(<https://leetcode.com/problems/implement-queue-using-stacks/>)
- **GeeksforGeeks Article: Introduction to Queue**  
(<https://www.geeksforgeeks.org/introduction-to-queues/>)
- **Code Implementation: Queue in Python**  
(<https://www.geeksforgeeks.org/queue-python/>)





# Day 5: Basic Queue Operations

- **LeetCode Problem: Design Circular Queue**  
(<https://leetcode.com/problems/design-circular-queue/>)
- **GeeksforGeeks Article: Basic Operations in Queue**  
(<https://www.geeksforgeeks.org/queue-data-structure/>)
- **Code Implementation: Queue Implementation in C++**  
(<https://www.geeksforgeeks.org/queue-data-structure-introduction-program/>)





# Day 6: Queue Applications

- **LeetCode Problem: Moving Average from Data Stream**  
(<https://leetcode.com/problems/moving-average-from-data-stream/>)
- **GeeksforGeeks Article: Applications of Queue**  
(<https://www.geeksforgeeks.org/applications-of-queue-data-structure/>)
- **Code Implementation: Level Order Traversal of Binary Tree using Queue in Java** (<https://www.geeksforgeeks.org/level-order-tree-traversal/>)





# Day 7: Priority Queue

- **LeetCode Problem: Kth Largest Element in a Stream**  
(<https://leetcode.com/problems/kth-largest-element-in-a-stream/>)
- **GeeksforGeeks Article: Priority Queue**  
(<https://www.geeksforgeeks.org/priority-queue-in-data-structure/>)
- **Code Implementation: Priority Queue Implementation in Python**  
(<https://www.geeksforgeeks.org/priority-queue-in-python/>)







# Day 8: Stack and Queue Problems

- **LeetCode Problem: Decode String**  
(<https://leetcode.com/problems/decode-string/>)
- **GeeksforGeeks Article: Stack and Queue Problems**  
(<https://www.geeksforgeeks.org/stack-queue-problems/>)
- **Code Implementation: Reverse a Queue using Recursion in C++**  
(<https://www.geeksforgeeks.org/reversing-queue-using-recursion/>)





# Day 9: Deque

- **LeetCode Problem: Sliding Window Maximum**  
(<https://leetcode.com/problems/sliding-window-maximum/>)
- **GeeksforGeeks Article: Deque**  
(<https://www.geeksforgeeks.org/deque-set-1-introduction-applications/>)





# Day 10: Stack and Queue Problems II

- **LeetCode Problem: Trapping Rain Water**  
(<https://leetcode.com/problems/trapping-rain-water/>)
- **GeeksforGeeks Article: Stack and Queue Problems II**  
(<https://www.geeksforgeeks.org/stack-queue-problems-set-2/>)
- **Code Implementation: Next Greater Element using Stack in C++**  
(<https://www.geeksforgeeks.org/next-greater-element/>)





# Day 11: Stack and Queue Problems III

- **LeetCode Problem: Daily Temperatures**  
(<https://leetcode.com/problems/daily-temperatures/>)
- **GeeksforGeeks Article: Stack and Queue Problems III**  
(<https://www.geeksforgeeks.org/stack-queue-problems-set-3/>)
- **Code Implementation: Queue Reversal using Stack in Python**  
(<https://www.geeksforgeeks.org/queue-reversal/>)





# Day 12: Stack and Queue Problems IV

- **LeetCode Problem: Simplify Path**  
(<https://leetcode.com/problems/simplify-path/>)
- **GeeksforGeeks Article: Stack and Queue Problems IV**  
(<https://www.geeksforgeeks.org/stack-queue-problems-set-4/>)
- **Code Implementation: Sort a Stack using Recursion in Java**  
(<https://www.geeksforgeeks.org/sort-a-stack-using-recursion/>)





# Day 13: Stack and Queue Problems V

- **LeetCode Problem: Exclusive Time of Functions**  
(<https://leetcode.com/problems/exclusive-time-of-functions/>)
- **GeeksforGeeks Article: Stack and Queue Problems V**  
(<https://www.geeksforgeeks.org/stack-queue-problems-set-5-circular-queue/>)
- **Code Implementation: Check for Balanced Parentheses using Stack in C**  
(<https://www.geeksforgeeks.org/check-for-balanced-parentheses-in-an-expression/>)



# Day 14: Queue Problems II



- **LeetCode Problem: Moving Average from Data Stream** (<https://leetcode.com/problems/moving-average-from-data-stream/>)
- **GeeksforGeeks Article: Queue Problems II** (<https://www.geeksforgeeks.org/queue-set-2-linked-list-implementation/>)
- **Code Implementation: Implement a Queue using Stack in Python** (<https://www.geeksforgeeks.org/queue-using-stacks/>)
- **GeeksforGeeks Article: Stack and Queue Problems V** (<https://www.geeksforgeeks.org/stack-queue-problems-set-5-circular-queue/>)



# Day 15: Queue Problems III



- **LeetCode Problem: Number of Recent Calls**  
(<https://leetcode.com/problems/number-of-recent-calls/>)
- **GeeksforGeeks Article: Queue Problems III**  
(<https://www.geeksforgeeks.org/queue-set-3-standard-queue-operations/>)
- **Code Implementation: Find the first non-repeating character in a stream in Java**  
(<https://www.geeksforgeeks.org/queue-based-approach-for-first-non-repeating-character-in-a-stream/>)







# Also, Do Checkout My Stack Playlist ♥

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