



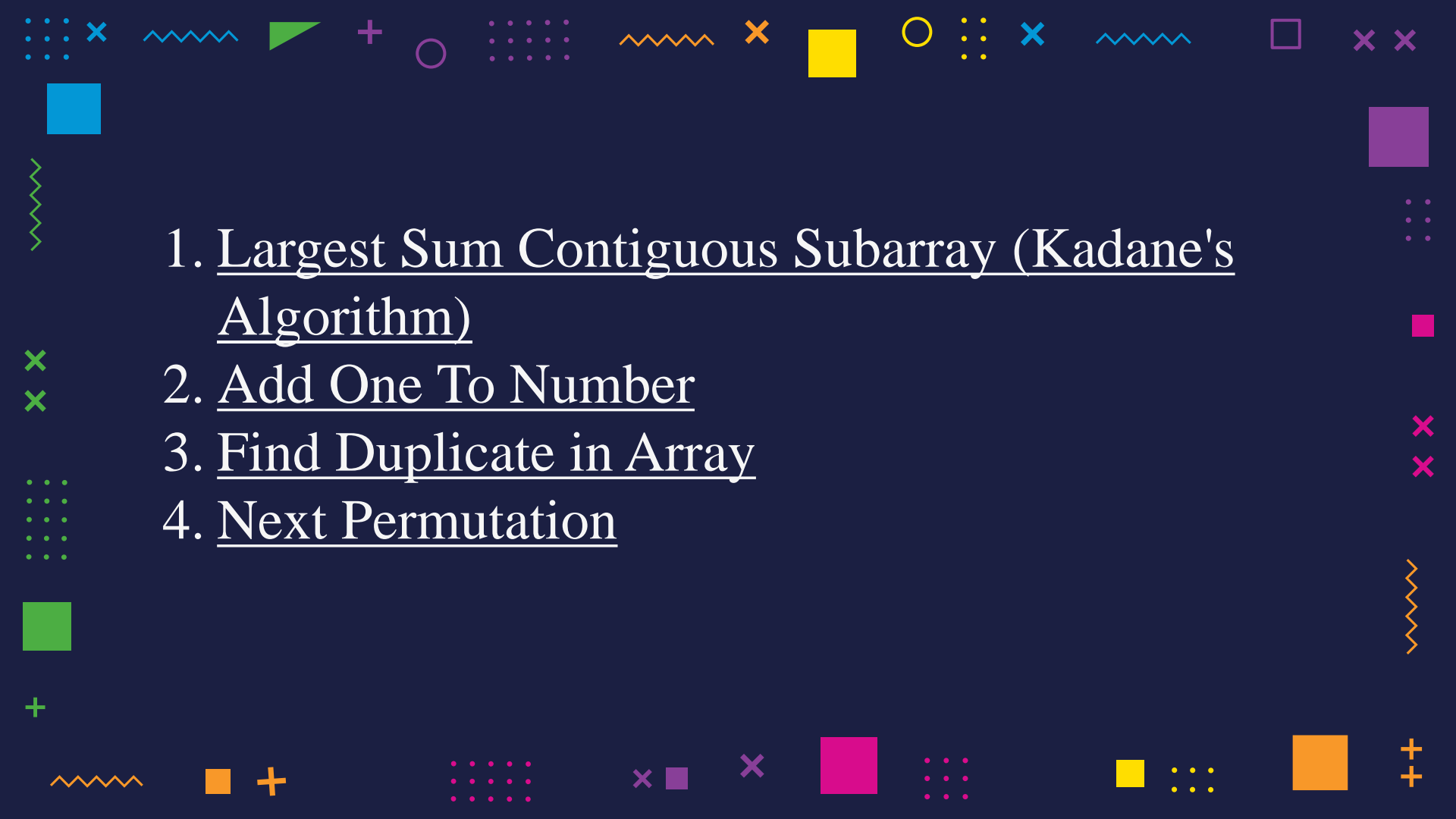
# CODESHOWS

## MODULE - 2

### TOPIC - ARRAYS

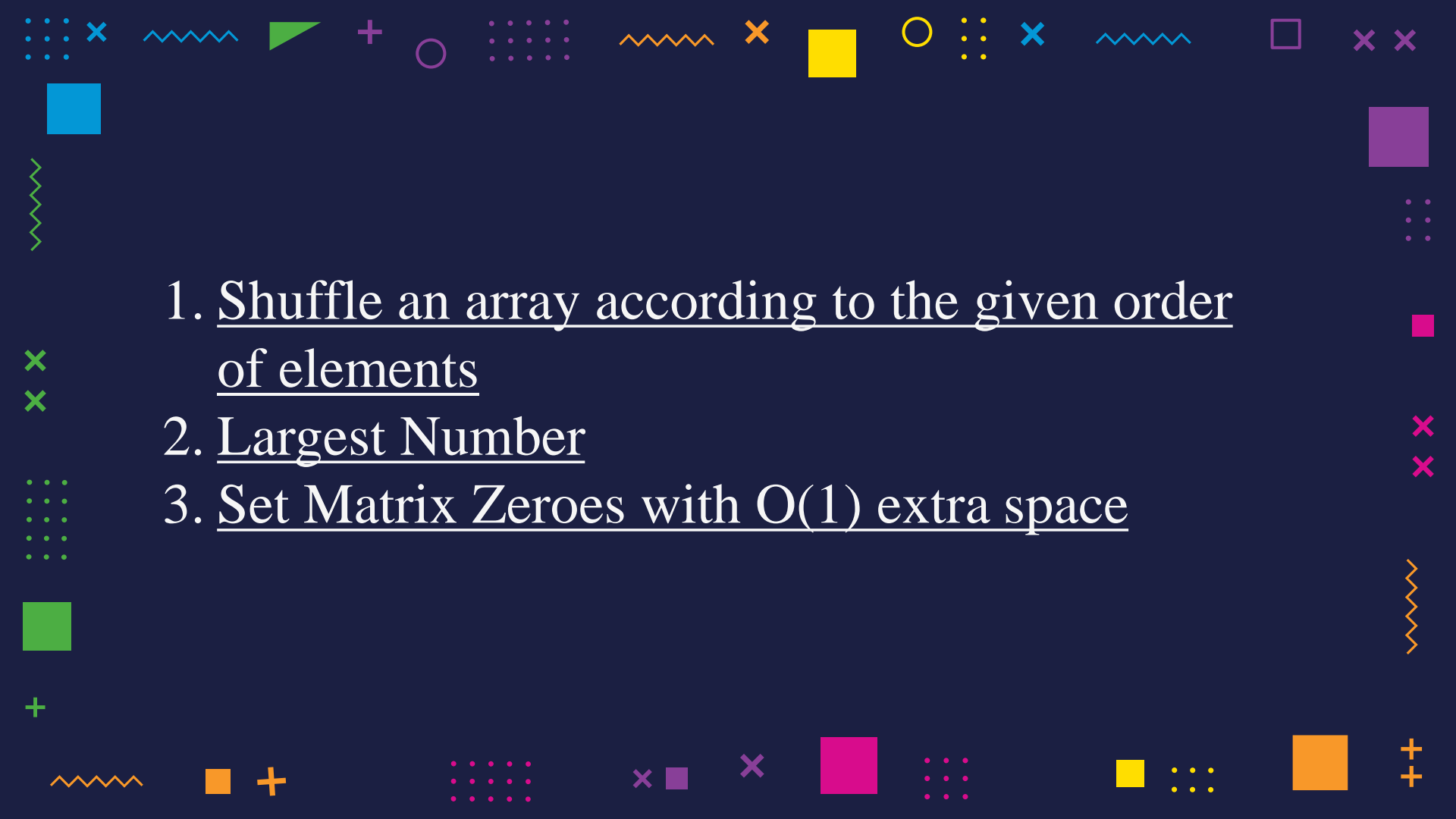
# DAY 01



- 
- A decorative border surrounds the central text. It consists of various symbols and shapes in different colors (blue, yellow, green, purple, orange, pink) arranged in a somewhat random pattern. Symbols include plus signs, minus signs, multiplication signs, division signs, squares, circles, triangles, and zigzag lines. Some symbols are repeated, and some are larger than others.
1. Largest Sum Contiguous Subarray (Kadane's Algorithm)
  2. Add One To Number
  3. Find Duplicate in Array
  4. Next Permutation

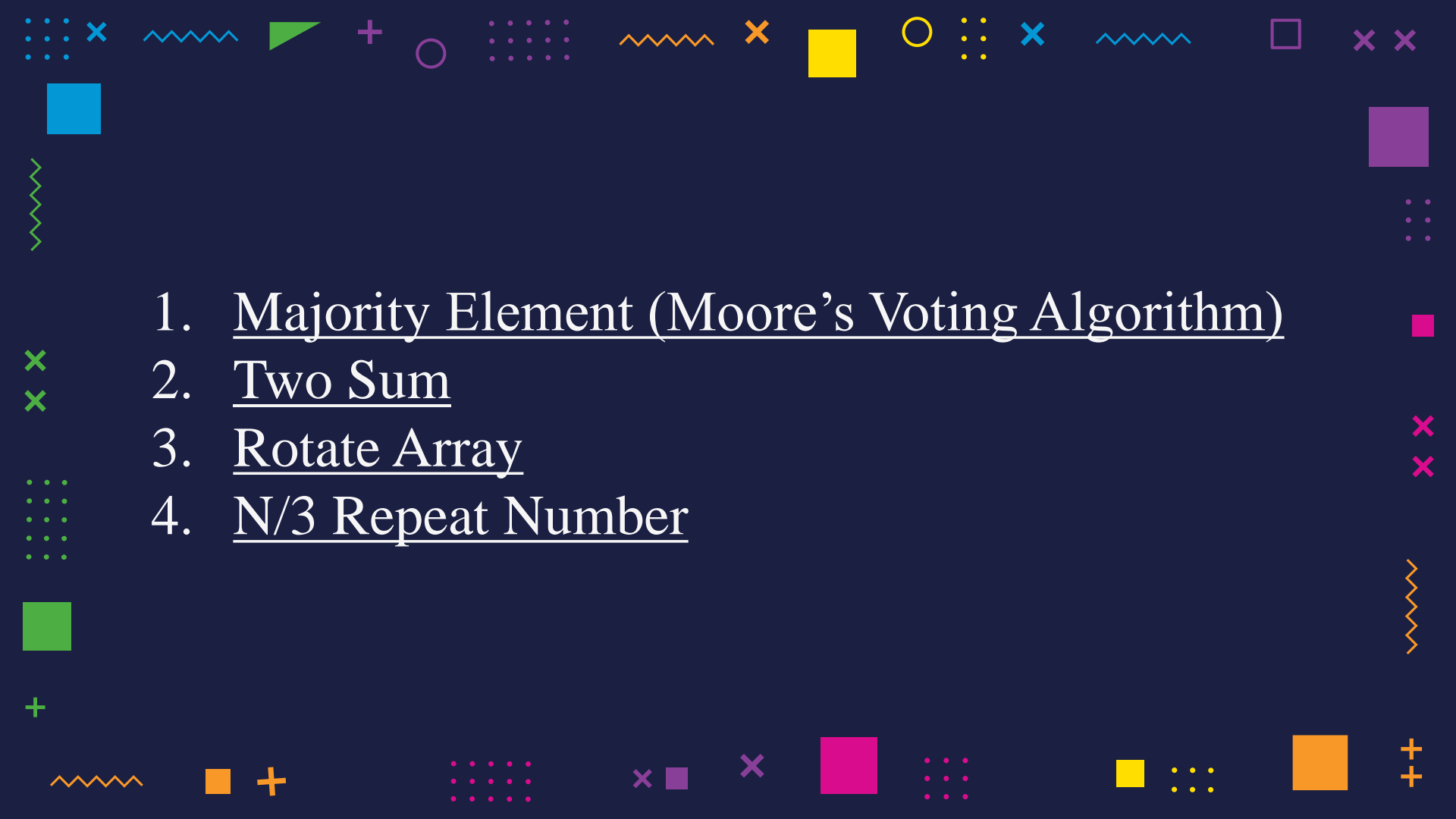
# DAY 02



- 
1. Shuffle an array according to the given order of elements
  2. Largest Number
  3. Set Matrix Zeroes with  $O(1)$  extra space

# DAY 03

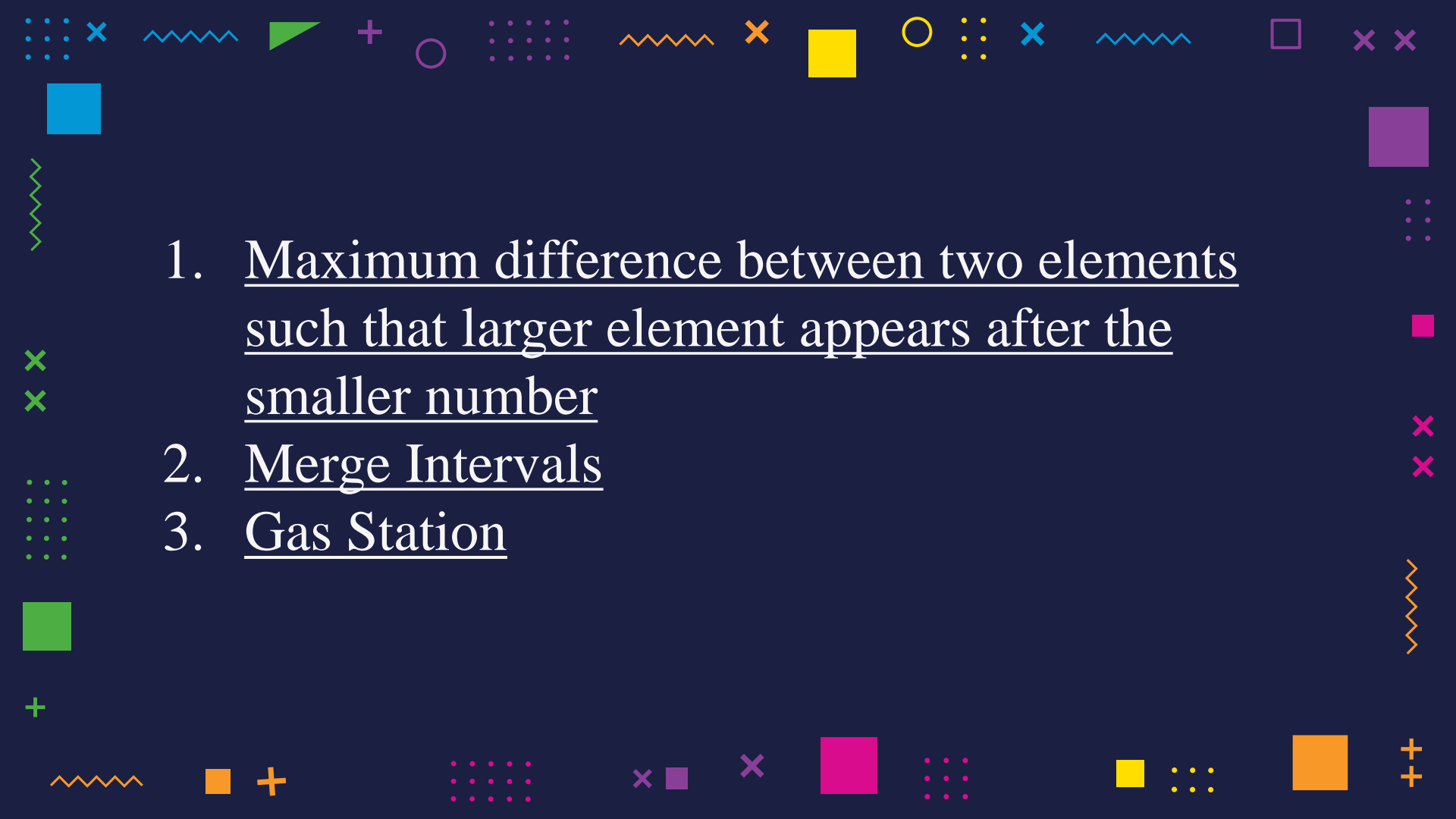


- 
1. Majority Element (Moore's Voting Algorithm)
  2. Two Sum
  3. Rotate Array
  4. N/3 Repeat Number

# DAY 04





- 
- A decorative border surrounds the central text area, composed of various colorful symbols and shapes including squares, circles, crosses, wavy lines, and grids of dots in colors like blue, green, yellow, orange, and purple.
1. Maximum difference between two elements  
such that larger element appears after the  
smaller number
  2. Merge Intervals
  3. Gas Station

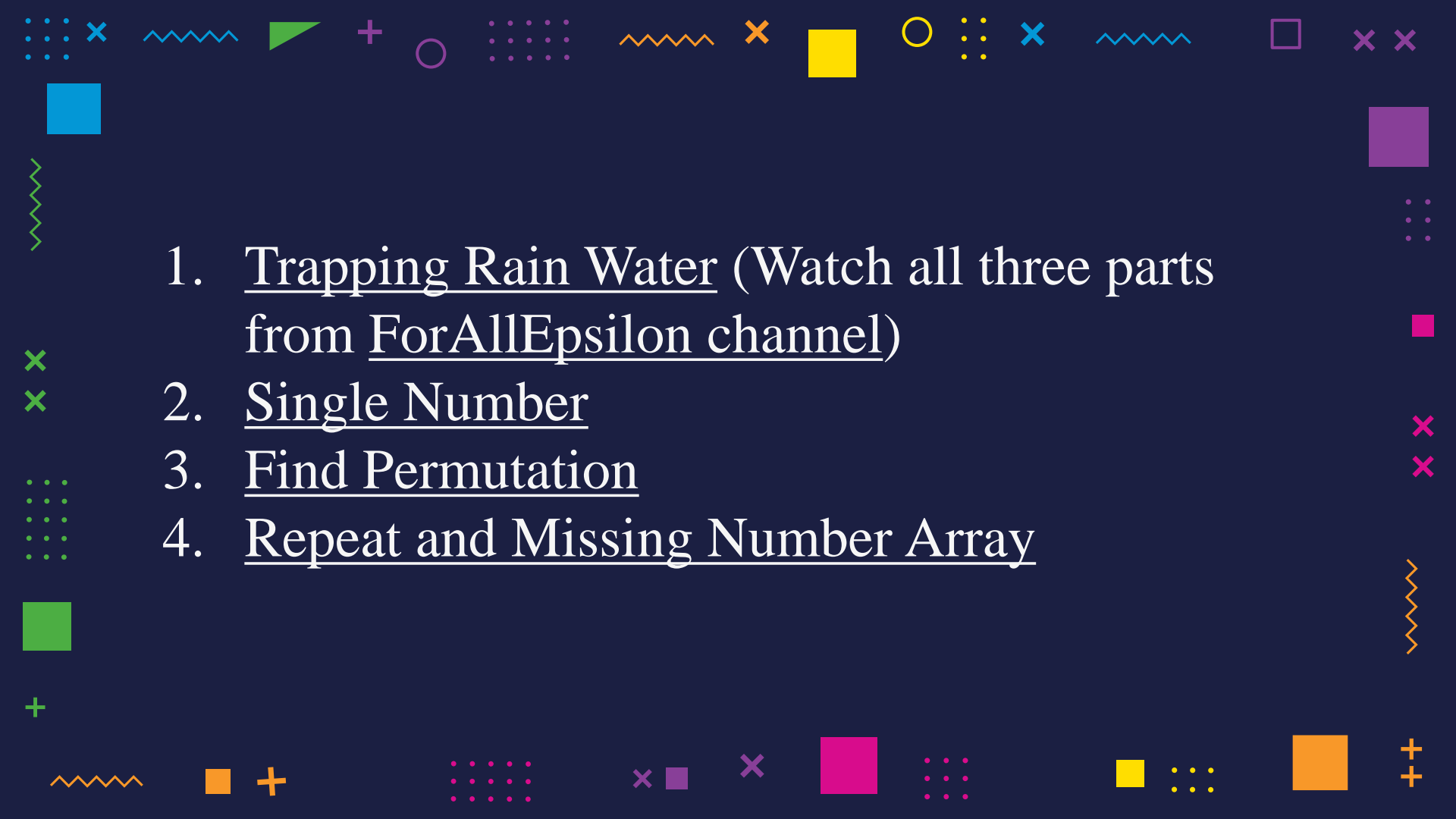
DAY  
05



- 
1. Two Pointers Technique
  2. Pascal's Triangle
  3. Sort Colors
  4. Contiguous Array

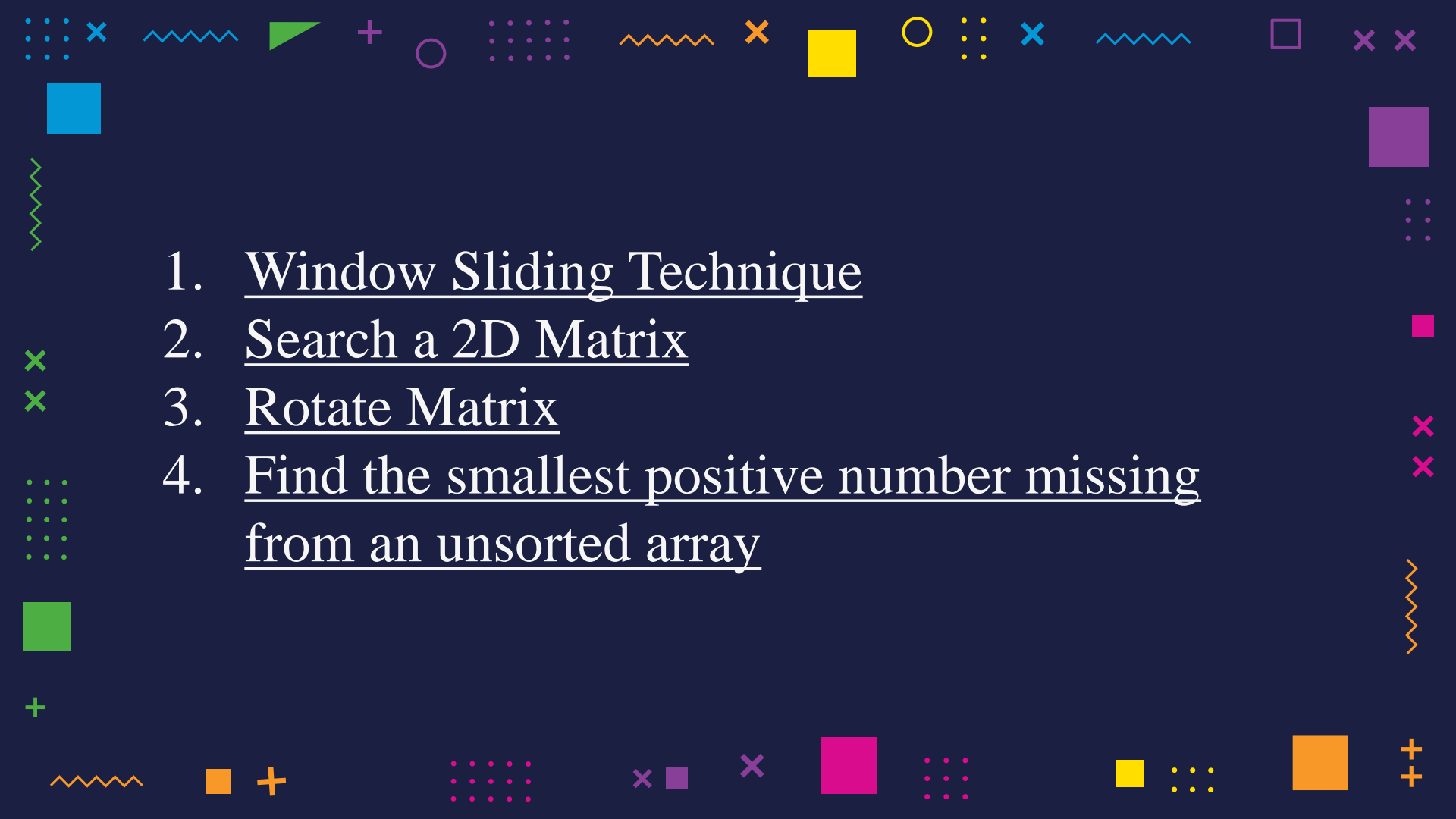
# DAY 06



- 
1. Trapping Rain Water (Watch all three parts from ForAllEpsilon channel)
  2. Single Number
  3. Find Permutation
  4. Repeat and Missing Number Array

DAY  
07

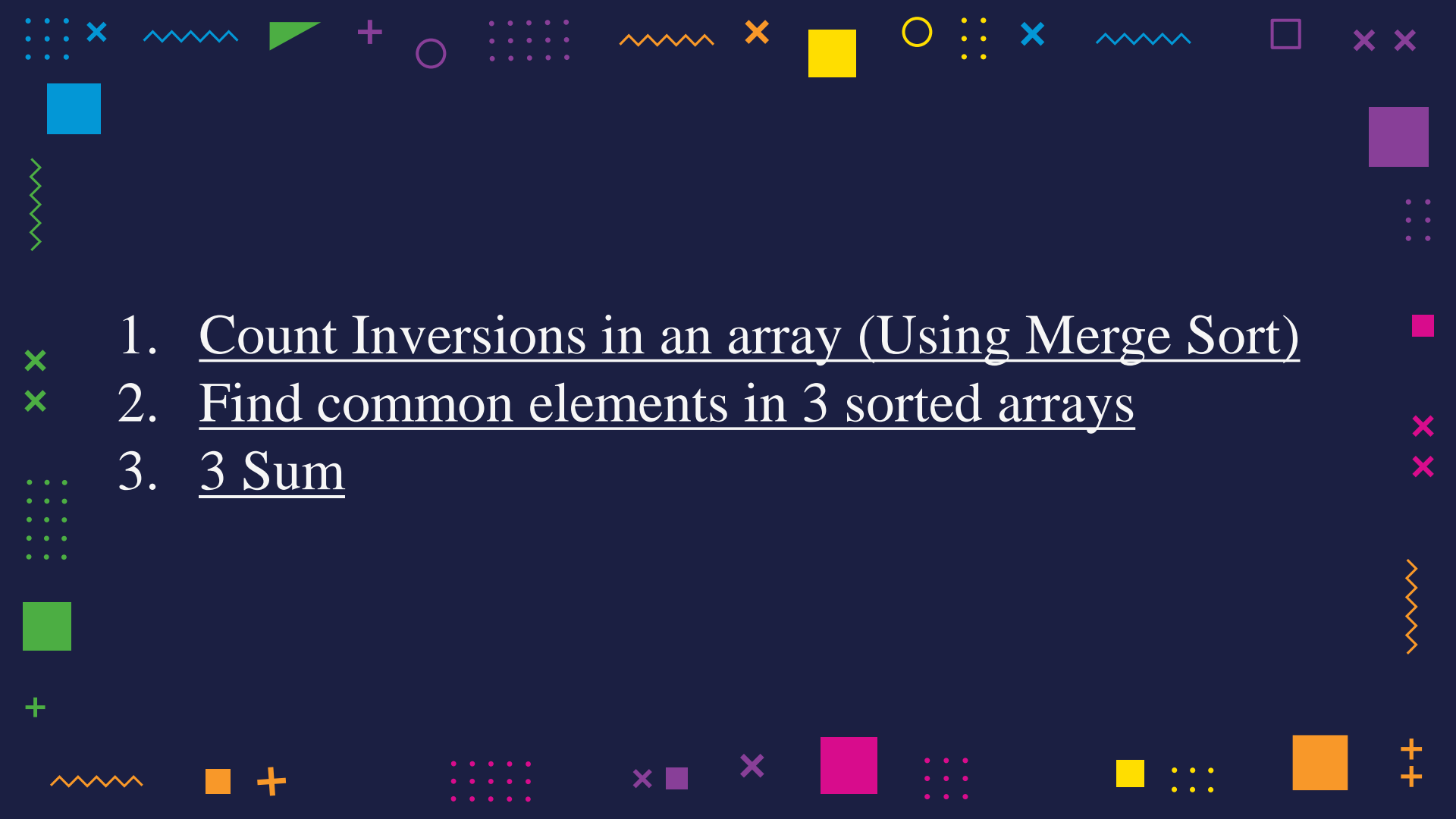


- 
- A decorative border surrounds the central text, composed of various symbols and shapes including dots, crosses, wavy lines, squares, and triangles in colors like blue, green, yellow, and purple.
1. Window Sliding Technique
  2. Search a 2D Matrix
  3. Rotate Matrix
  4. Find the smallest positive number missing from an unsorted array

DAY  
08

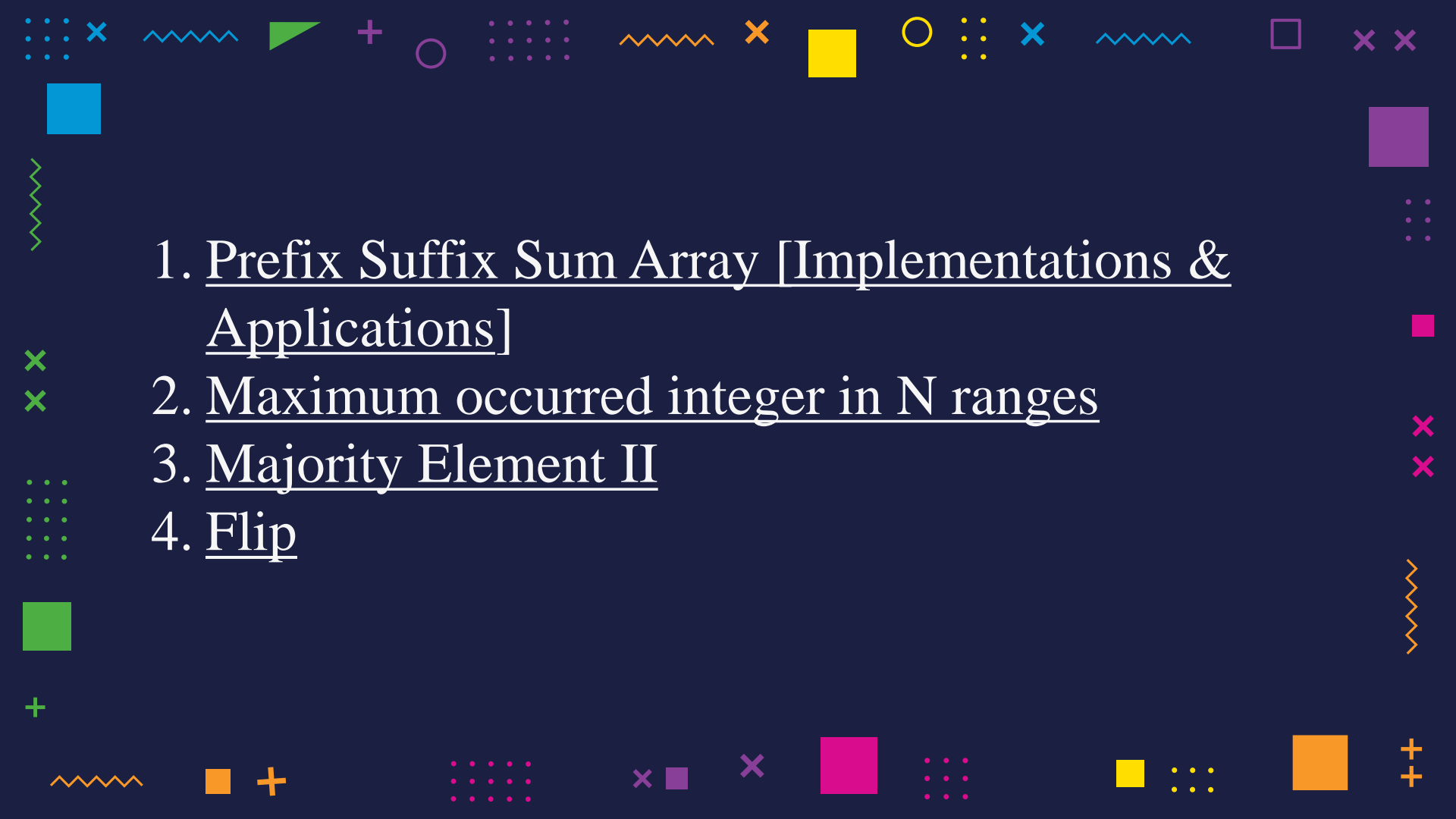




- 
1. Count Inversions in an array (Using Merge Sort)
  2. Find common elements in 3 sorted arrays
  3. 3 Sum

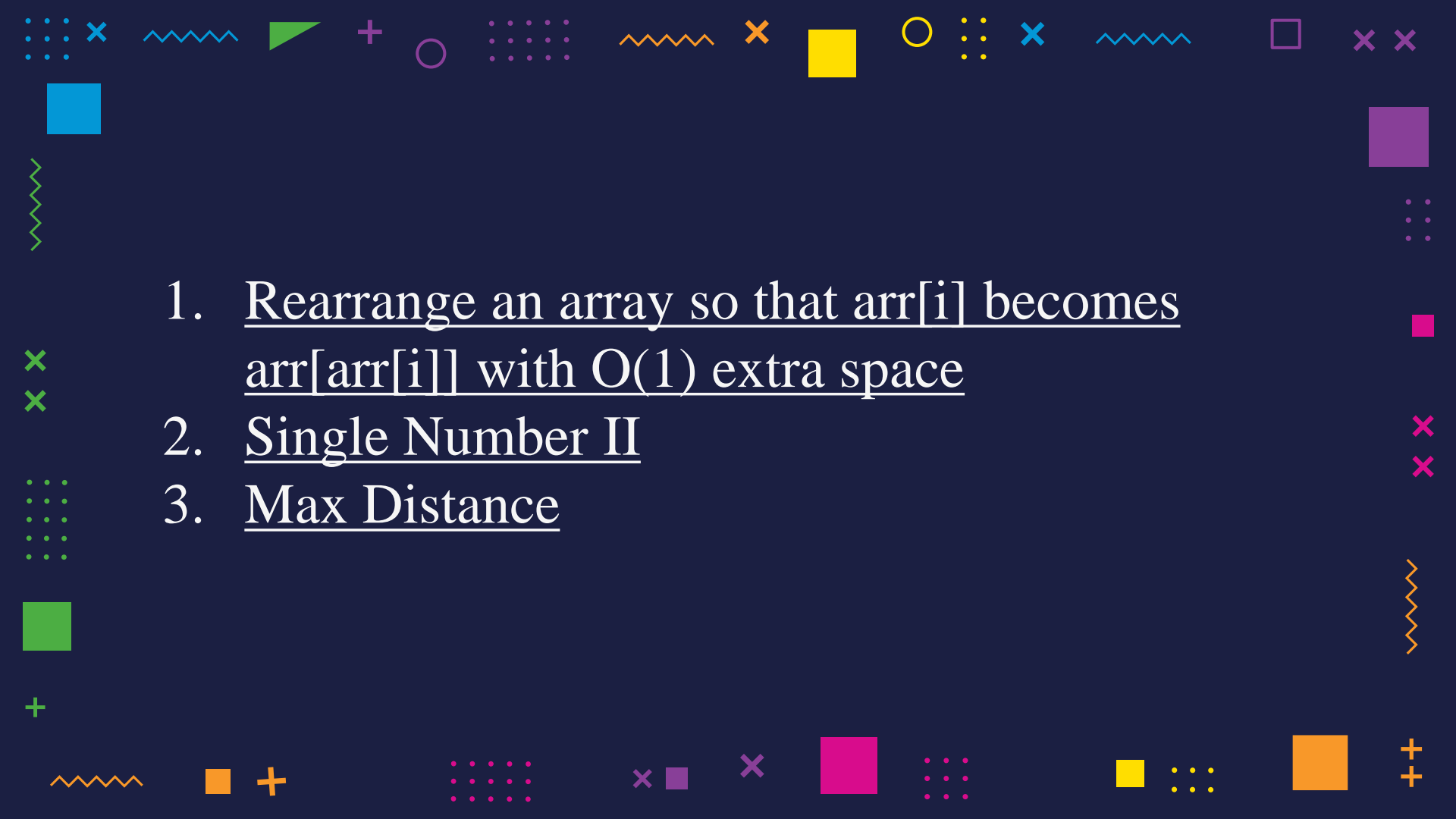
DAY  
09



- 
- A decorative border surrounds the central text. It consists of various symbols and shapes in different colors (blue, green, yellow, orange, purple, pink) arranged in a somewhat random pattern. Symbols include plus signs, crosses, dots, wavy lines, and solid shapes like squares and triangles.
1. Prefix Suffix Sum Array [Implementations & Applications]
  2. Maximum occurred integer in N ranges
  3. Majority Element II
  4. Flip

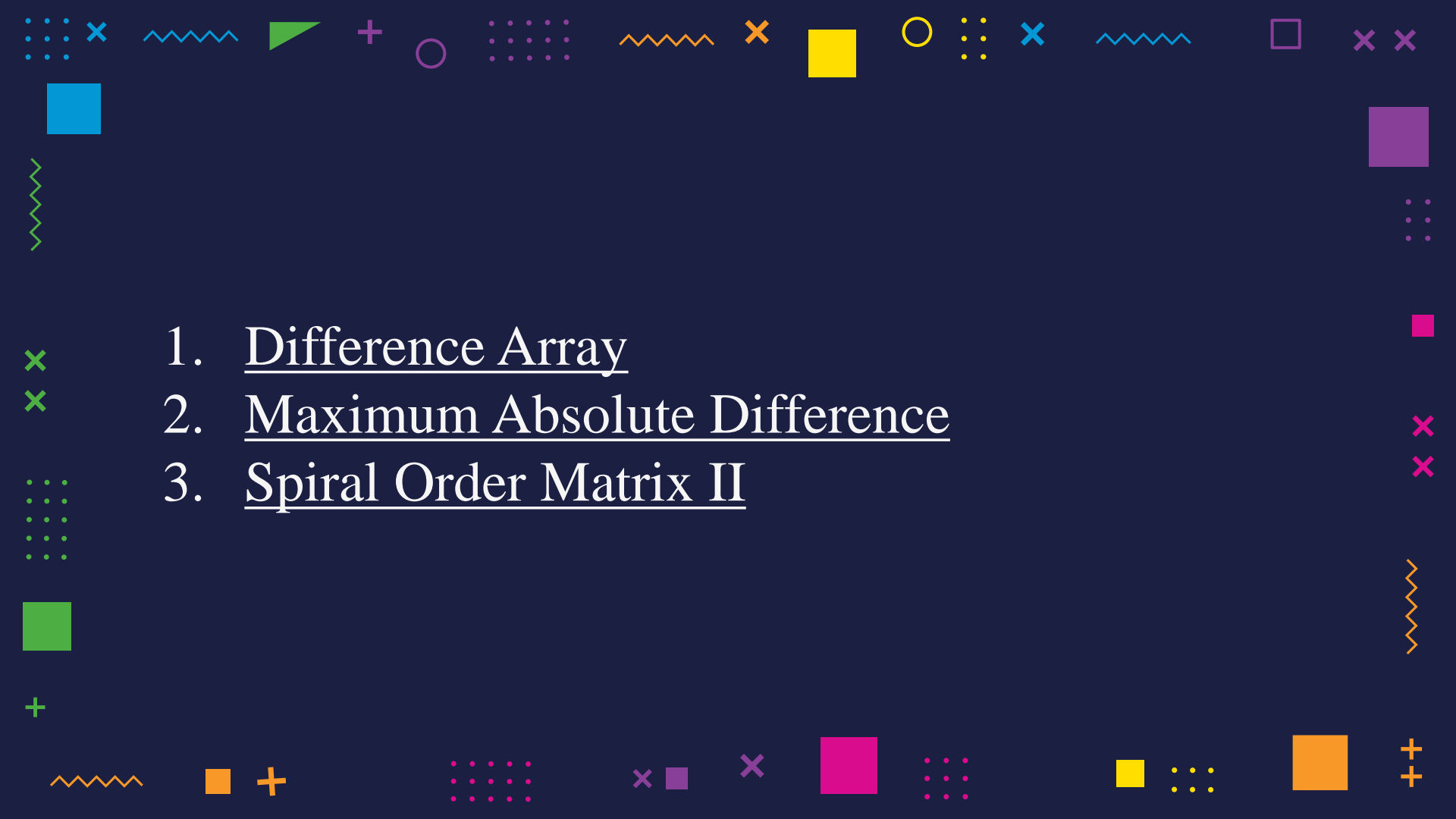
# DAY 10



- 
1. Rearrange an array so that  $\text{arr}[i]$  becomes  $\text{arr}[\text{arr}[i]]$  with  $O(1)$  extra space
  2. Single Number II
  3. Max Distance

# DAY 11



- 
1. Difference Array
  2. Maximum Absolute Difference
  3. Spiral Order Matrix II

# DAY 12





- 
1. Best Time to Buy and Sell Stock
  2. Pascal's Triangle II
  3. Reverse Pairs



# KEEP CALM AND KEEP CODING

Created and Compiled by :-  
Harsha, Kapil, Nandini, Nitin, Pranay,  
Vedant and Vishal



# Thanks!

CREDITS: This presentation template was created  
by **Slidesgo**, including icons by **Flaticon**, and  
infographics & images by **Freepik**