

1. Sum of Elements in an Array

- Write a program that takes an array of integers from the user and calculates the sum of all elements in the array.

2. Find the Minimum and Maximum Element in an Array

- Create a program that finds both the minimum and maximum elements in an array.

3. Array Average Calculation

- Create a program that computes the average of the numbers stored in an array.

4. Count Even and Odd Numbers in an Array

- Implement a program that counts how many numbers in the array are even and how many are odd.

5. Find the Second Largest Element in an Array

- Write a program that finds the second largest number in a given array of integers.

6. Reverse an Array

- Write a program that takes an array and reverses its elements.

7. Linear Search in an Array

- Implement a program that performs a linear search to find a specific element in an array.

8. Find Duplicates in an Array

- Create a program that finds and prints duplicate elements in an array.

9. Count Occurrences of an Element

- Implement a program that counts the number of occurrences of a specific element in an array.

10. Frequency of Elements in an Array

- Write a program that counts the frequency of each element in the array and displays the result.

11. Remove Duplicates from an Array

- Write a program that removes duplicate elements from an array and prints the unique elements.

12. Sort an Array Using Bubble Sort

- Write a program that sorts an array of integers using the bubble sort algorithm.

13. Insert an Element at a Specific Position

- Create a program that inserts a new element into a specific position in an array, shifting the existing elements.

14. Rotate an Array

- Write a program that rotates the elements of an array to the left or right by a given number of positions.

15. Array Element Swapping

- Write a program that swaps the first half of the array with the second half.

16. Check if Array is Sorted

- Create a program that checks whether an array is sorted in ascending order.

17. Remove an Element from an Array

- Write a program that removes an element from a given position in an array and shifts the remaining elements.

18. Find the Intersection of Two Arrays

- Implement a program that finds the common elements (intersection) between two arrays and prints them.