### **Array Programs**

1. **Write a program to take an array and print the first and last element.**
2. **Write a program to take an array from the user and find:**a. The sum of the array.  
   b. The average of the array.
3. **Write a program to print the sum of elements at even positions in an array.**
4. **Write a program to reverse an array.**
5. **Write a program to copy an array into another array.**
6. **Write a program to take an array and find the greatest (maximum) element.**
7. **Write a program to take an array and find the smallest (minimum) element.**
8. **Write a program to sort (arrange) the elements of an array in increasing order.  
   Input:** 22 5 6 88 9  
   **Output:** 5 6 9 22 88
9. **Write a program to sort (arrange) the elements of an array in decreasing order.  
   Input:** 22 5 6 88 9  
   **Output:** 88 22 9 6 5
10. **Write a program to find the second highest element in an array without sorting.**
11. **Write a program to find the second smallest element in an array without sorting.  
    Input:** 22 5 6 88 9  
    **Output:** 6
12. **Write a program to find all missing numbers from 1 to 100 in an array.  
    Example Array:** {22, 17, 4, 66, 8, 2, 87}
13. **Write a program to find prime numbers from the given array:  
    Example Array:** {13, 4, 56, 32, 99, 11}
14. **Write a program to print an array in the following sequence:  
    Output:** 1, 2, 5, 10, 17
15. **Write a program to check whether a given element is present in an array or not.**

**Multidimensional Array**

1.WAP to print the sum of two matrix?

2.WAP to print the subtraction of the two matrix?

3.WAP to print Transpose matrix?