1. Write a C program to read elements in an array and find the sum of array elements.

   Input
   Input elements: 10, 20, 30, 40, 50

   Output

   Sum of all elements = 150

2. Write a C program to read elements in an array and find the smallest element of array elements.

   Input

   Input array elements: 1 9 -7 2 3 8 6 6 75 38 3 2

   Output

   Smallest = -7

3. Write a C program to input elements in array and find frequency of each element in array.
   Input

   Input array elements: 5, 10, 2, 5, 50, 5, 10, 1, 2, 2

   Output

   Frequency of 5 = 3
   Frequency of 10 = 2
   Frequency of 2 = 3
   Frequency of 50 = 1
   Frequency of 1 = 1
4. Write a C program to delete duplicate elements from array.
   Input

   Input array elements: 10, 20, 10, 1, 100, 10, 2, 1, 5, 10

   Output

   After removing all duplicate elements
   Elements of array are: 10, 20, 1, 100, 2, 5

5. Write a C program to input elements in array and search whether an element exists in array or not.

Input

Input size of array: 10
Input elements in array: 10, 12, 20, 25, 13, 10, 9, 40, 60, 5

Output

Element to search is: 25
Element found at index 3

6. Write a C program to read elements in a matrix and find the sum of main diagonal (major diagonal) elements of matrix.

Input

Input array elements:
1 2 3
4 5 6
7 8 9

Output

Sum of main diagonal elements = 15