C Language : 1-D Array Assignment

Near Amrutvahini College Of Engineering,Amrutnagar,Ghulewadi,Sangmner-422 605.

1. Write a C program to find the sum of all the elements of an array.

2. An array consist of Integers. Write a C program to count the number of elements less than, greater than and equal to zero.

3. Write a C program that return the positions of the pallindrome element in array.

4. Write a C program to sort first half of array in ascending order and second half of array in descending order.

5. Write a C program to copy the elements of one array into another array.

6. Write a C program to sort only even numbers in given array.
   Eg.
   Input: 45 8 75 29 5 49 56 22 14 497 288 18 2

   Output: 45 2 75 29 5 49 8 14 18 497 22 56 288

7. Write a program in C to separate odd and even integers in same array.

8. Write a program in C to count the frequency of each element of an array.

9. Write a program in C to print all unique elements in an array.

10. Write a program in C to insert New value in the array (sorted list).

11. Write a program in C to delete an element at desired position from an array.

12. Write a program in C to find the maximum / minimum element in an array.

13. Write a program in C to find the second largest element in an array.

14. Write a C Program to Find the Number of Elements in an Array

15. Write a C Program to Check Array bounds while Inputing Elements into the Array

16. Write a C Program to Print the Alternate Elements in an Array

17. Write a C Program to Find 2 Elements in the Array such that Difference between them is Largest

18. Write a C Program to Input a String & Store their Ascii Values in an Integer Array

19. Write a C program to store squares of the elements in the same array

20. Write C Program to Find the two Elements such that their Sum is Closest to given number

21. Write C Program to Find if a given Integer X appears more than N/2 times in a Sorted Array of N Integers

22. Write C Program to Find Union & Intersection of 2 Arrays

23. Write a C program to find the sum of contiguous subarray within a one dimensional array of numbers which has the largest sum.

24. Write a C program to find the maximum sum of a subsequent numbers in given array.