

### Lab Assignment for 16/10/18 (Monday)

1. You are given a sequence of (n-1) distinct positive integers, all of which are less than or equal to an integer 'n'. You have to find the integer that is missing from the range [1, 2, ..., n]. Solve the question using arrays.
2. Take input of n integers (n itself is given) from the user. Store them in an array. Write a program to sum only non-negative integers.
3. We have two arrays A and B, each of 10 integers. WAP to test if each element of A is equal to its corresponding element in B.
4. Write a C program to find the frequency of elements in array i.e., how many number of times the element is repeated in an array. Also print the frequency histogram (pictorial representation) in the form of a bar chart (you can use \* to build the bar).
5. A positive integer is entered through the keyboard. Write a function to find its binary, octal and hexadecimal equivalent of this number.
6. C Program to Calculate Sum & Average of an Array
7. C Program to Calculate the Sum of the Array Elements using Pointer
8. C Program to Calculate Sum of all Elements of an Array using Pointers as Arguments (create a function)
9. C Program to Find the Largest Two Numbers in a given Array
10. C Program to Find the Second Largest & Smallest Elements in an Array
11. C Program to Put Even & Odd Elements of an Array in 2 Separate Arrays
12. C Program to Insert an Element in a Specified Position in a given Array
13. C Program to Delete the Specified Integer from an Array
14. C Program to Sort the Array in an Ascending Order
15. C Program to Sort the Array in Descending Order
16. C Program to Merge the Elements of 2 Sorted Array
17. C Program to Read an Array and Search for an Element
18. C Program to find the Biggest Number in an Array of Numbers using Recursion
19. C Program to Find the Number of Non Repeated Elements in an Array
20. C Program to Find 2 Elements in the Array such that Difference between them is Largest
21. C Program to Find the two Elements such that their Sum is Closest to Zero
22. C Program to Find Union & Intersection of 2 Arrays
23. C program to swap first element with last, second to second last and so on (reversing elements).
24. C program to check and then delete prime numbers in an array, also print the deleted elements.