

Lab Report

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1. Write a program in C to store elements in an array and print it.
2. Write a program in C to read n number of values in an array and display it in reverse order.
3. Write a program in C to find the sum of all elements of the array
4. Write a program in C to copy the elements of one array into another array.
5. Write a program in C to count a total number of duplicate elements in an array.
6. Write a program in C to print all unique elements in an array.
7. Write a program in C to merge two arrays of the same size sorted in descending order.
8. Write a program in C to find the maximum and minimum element in an array.
9. Write a program in C to separate odd and even integers in separate arrays
10. Write a program in C to sort elements of arrays in ascending order.
11. Write a program in C to sort elements of the array in descending order.
12. Write a program in C to insert New value in the array (unsorted list).
13. Write a program in C to delete an element at desired position from an array.
14. Write a program in C to find the second largest element in an array.
15. Write a program in C to find the second smallest element in an array.
16. Write a program in C for a 2D array of size 3x3 and print the matrix.
17. Write a program in C for addition of two matrices of the same size.
18. Write a program in C to display the n terms of odd natural numbers and their sum.
19. Write a program in C to display the n terms of harmonic series and their sum.
20. Write a C program to determine whether a given number is prime or not.
21. Write a program in C to find the number and sum of all integers between 100 and 200 which are divisible by 9.

22. Write a program in C to find the sum of the series $1 + 11 + 111 + 1111 + \dots$ n terms

23. Write the code to find the factorial of that number.

24. Enter a six digit number and print the number in reverse order and find the sum of those numbers.

25. Write a menu driven program which has the following options.

- i) Factorial
- ii) Prime or not
- iii) odd
- iv) Even
- v) Exit