

LAB SHEET #7

Title: C programming with arrays

Objective(s):

- To understand programming using different dimensions of Array.

Theory: Write short theory on Array, one dimensional array, multi dimensional array.

Write a program to find separately the sum of the positive and negative integer elements of an array of size 10. Pass this array to a function called sortarray(int[]) and display the array elements into ascending order.

Problem Analysis:

Algorithm:

Flowchart: Code:

Output (Compilation, Debugging and Testing):

Discussion and Conclusion:

Lab Exercises (Please Code yourself and show the output to instructor):

1. Write a program to enter n floating numbers in an array and display it.
2. Write a program to display largest and smallest element of an array defined in Q.No. 1.
3. Write a program to initialize one dimensional array of size 8 and display the sum and average of array elements
4. Write a program to read two matrices of order 3 * 2, add them and display the resultant matrix in matrix form.
5. Write a program to multiply two 3*3 matrix.
6. Write a program to read a string and check for palindrome without using string related function (a string is palindrome if its half is mirror by itself eg: abcdcba).