



Mohammad Ali Jinnah University Karachi

Computer Programming Lab Manual

Instructor: Muhammad Suffian

LAB 07 CP

Arrays

Objective : To understand the basic concepts of arrays, reading elements in arrays , counting duplicates, element deletion and insertion in arrays:

Read the following table to understand the instructions for the smooth flow of lab.

Lab time and marks distribution

No#	Topic/Task	Time	Assessment Marks
Topic Demonstration By Instructor : 30 minutes			
1	Array printing	15 Minutes	01
2	Reverse of array	15 minutes	02
3	Sum of array elements	10 minutes	02
4	Even odd elements	15 minutes	02
5	Duplicate elements	15 minutes	02
6	Element search in array	15 minutes	02
7	Element deletion	15 minutes	02
8	Element insertion	15 minutes	02

Lab Policy :

- All the students have to do this lab individually
- Anyone doing cheating will be assigned **ZERO** in assessment marks
- All the tasks are mandatory to obtain the assessment marks
- During lab No one is allowed to move outside without permission



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Lab Practice Exercise:

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 separate odd and even integers in separate arrays
4. Write a C program to read elements in an array from user and count total number of even and odd elements in the given array
5. Write a C program to read elements in an array from user and count total number of duplicate elements in array
6. Write a C program to read elements in an array and search whether an element exists in the array or not
7. Write a C program to delete an element from an array at specified position
8. Write a C program to insert an element in array at specified position