

National University of Computer and Emerging Sciences



Lab Manual # 9

Programming Fundamentals

(Section BSE-1A)

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Objectives

The objectives of this lab are to cover the following:

- Passing ID array as parameter to function

Question No 1:

Write a function in C++ named **countNum2s** that takes as input an array of integers and an integer that specifies how many entries are in the array. The function should return the number of 2's in the array. Test your function with arrays of different length and with varying number of 2's.

Question No 2:

Write a function in C++ named Distinct that takes as input an array of integers and an integer that specifies how many entries are in the array. Your function should identify the distinct elements and store them in an array named as DistinctArray (also passed in as a parameter). Its contents should be displayed in the main caller function. Distinct elements of an array are such that if an element appears more than once, then it should be printed once only.

Sample Input:

20 11 12 20 16 15 12 16 8 12

Sample Output:

Distinct Element are: 20 11 12 16 15 8

Question No 3:

Write a function in C++ named Reverse that takes as input an array of integers and an integer that specifies how many entries are in the array. Your function should reverse the contents of this array without using a second array. The reversed array should be displayed in the main caller function.

Sample Input:

30 11 12 20 16 15

Sample Output:

15 16 20 12 11 30