National University of Computer and Emerging Sciences

Lab Manual

for

Programming Fundamentals

Course Instructor	Ms. Aamina Batool
Lab Instructor(s)	Ms. Sonia Anum Ms. Mamoona Akbar
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Department of Computer Science
FAST-NU, Lahore, Pakistan

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Exercise 1:

Write a program that lets the user enter 10 values into an array. The program should then display the largest and smallest values stored in the array.

Exercise 2:

Write a program that takes 10 element in array passing as a parameter to function. The function find out the unique elements from array.

Exercise 3:

Write a program to which takes input of array elements from the user and keep adding the previous elements sum into current or proceeding one.

Input:

Arr[1] = 3

Arr[2] = 4

Arr[3] = 3

Arr[4] = 6

…….

Output:

Arr[1] = 3

Arr[2] = 7

Arr[3] = 10

Arr[4] = 16

…….

Exercise 4:

Write a function that finds an integer in given array and returns the bool value as, 1 or 0 depending integer is present in given array or not.

Sample Input: { 4,6,7,1,9,5,2,8,3} , 10

Output: No, given integer is not present in the given array

Sample Input: { 4,6,7,1,9,5,2,8,3} , 5

Sample Output: Yes, given integer is present in the given array

Exercise 5:

Write a program that takes 10 elements in array passing as a parameter to function as well as a number N. The function finds the number of pairs of integers in a given array of integers whose sum is equal to a specified number N entered by the user. If you find that pair then show the pair with corresponding indexes.