

LABWORK 4

- 1) Write a program that inputs n ($n \leq 20$) and n integers into an array and finds the second-largest element in the array.

Sample Run:

Array size: 6

Enter numbers: 10 8 7 12 14 9

Second largest element: 12

- 2) Write a program that inputs 10 real numbers into an array. It will create and display the new array, which consists of input numbers greater than the average of the array.

- 3) Write a program that inputs 10 characters into an array. It will find and display how many times the array elements are repeated in the array. (Assume only lowercase characters.)

Sample Run:

Enter characters: a b a c b b y r c m

a occurs 2 times

b occurs 3 times

c occurs 2 times

y occurs 1 time

r occurs 1 time

m occurs 1 time

- 4) Write a program that inputs 10 integer numbers into an array, creates an array and stores the even and odd elements in two different arrays.

Sample Run:

Enter the array elements: 13 33 44 55 66 84

Even array: 44 66 84

Odd array: 13 33 55