

17th May 2024

Lab # 7

By Prof Imran javed

Task 01: Declare a list of 10 elements. Initialise elements at random (with any range of your

choice).

Print elements in a single line. Find and print average. Subtract all elements from average. Print

elements again in a single line. Next, count and print number of negative elements and number of

positive

elements.

Sample Runs:

Length: 10

37 17 61 95 51 72 12 49 80 92

Average: 56.60

-19.60 -39.60 4.40 38.40 -5.60 15.40 -44.60 -7.60 23.40 35.40

Count of positive values: 5

Count of negative values: 5

Length: 10

18 96 79 13 54 39 54 28 67 86

Average: 53.40

-35.40 42.60 25.60 -40.40 0.60 -14.40 0.60 -25.40 13.60 32.60

Count of positive values: 6

Count of negative values: 4

Task 02: Initialise an array of 10 elements with random values in range 3-7. For each element

print stars in a single line.

Sample Run:

3 6 4 3 4 6 7 5 3 3

Task 03: Initialise an array of 10 elements with random values in range 3-7. Print elements of

array in triangular style. Also, print the sum of elements.

Sample Run:

7 4 7 3 4 6 6 7 3 5

7 = 7

7 4 = 11

7 4 7 = 18

7 4 7 3 = 21

7 4 7 3 4 = 25

7 4 7 3 4 6 = 31

7 4 7 3 4 6 6 = 37

7 4 7 3 4 6 6 7 = 44

7 4 7 3 4 6 6 7 3 = 47

7 4 7 3 4 6 6 7 3 5 = 52