



- 1 Given an array, write a program to swap first and last element of the array

Test Case 01 :

Input : [12, 35, 9, 56, 24]

Output : [24, 35, 9, 56, 12]

Test Case 02 :

Input : [1, 2, 3]

Output : [3, 2, 1]

- 2 Given an array and provided the positions of the elements, write a program to swap the two elements in that array.

Test Case 01 :

Input : [23, 65, 19, 90], pos1 = 1, pos2 = 3

Output : [19, 65, 23, 90]

Test Case 02 :

Input : [1, 2, 3, 4, 5], pos1 = 2, pos2 = 5

Output : [1, 5, 3, 4, 2]



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- 3 Given an array and a number x, count the number of occurrences of x in the given array.

Test Case 01 :

Input : [15, 6, 7, 10, 12, 20, 10, 28, 10]

i. x = 10

Output : 3

10 appears three times in the given array.

Test Case 02 :

Input : lst = [8, 6, 8, 10, 8, 20, 10, 8, 8]

ii. x = 16

Output : 0

- 4 Given an array. The task is to find the sum and average of the array. Average of the array is defined as the sum of the elements divided by the number of the elements.

Test Case 01 :

Input: [4, 5, 1, 2, 9, 7, 10, 8]

Output:

sum = 46

average = 5.75

Test Case 02 :

Input: [15, 9, 55, 41, 35, 20, 62, 49]

Output:

sum = 286

average = 35.75



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- 5 Given an array, print the value obtained after multiplying all numbers in that array.

Test Case 01 :

Input : array01 = [1, 2, 3]

Output : 6

Explanation: $1 \times 2 \times 3 = 6$

Test Case 02 :

Input : array02 = [3, 2, 4]

Output : 24

- 6 Given an array consisting of numbers, write a program to print all even numbers in that given array.

Test Case 01 :

Input: array01 = [2, 7, 5, 64, 14]

Output: [2, 64, 14]

Test Case 02 :

Input: array02 = [12, 14, 95, 3]

Output: [12, 14]



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- 7 Given an array of numbers, write a program to print all odd numbers in the given array.

Test Case 01 :

Input: array01 = [2, 7, 5, 64, 14]

Output: [7, 5]

Test Case 02 :

Input: array02 = [12, 14, 95, 3, 73]

Output: [95, 3, 73]

- 8 Given an array of numbers, write a program to count Even and Odd numbers in that array.

Test Case 01 :

Input: array01 = [2, 7, 5, 64, 14]

Output: Even = 3, odd = 2

Test Case 02 :

Input: array02 = [12, 14, 95, 3]

Output: Even = 2, odd = 2



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- 9 Given an array of numbers, write a program to print all positive numbers in that given array.

Test Case 01 :

Input: array01 = [12, -7, 5, 64, -14]

Output: 12, 5, 64

Test Case 02 :

Input: array02 = [12, 14, -95, 3]

Output: [12, 14, 3]

- 10 An array consists of numbers, write a program to print all negative numbers in that given array.

Test Case 01 :

Input: array01 = [12, -7, 5, 64, -14]

Output: -7, -14

Test Case 02 :

Input: array02 = [12, 14, -95, 3]

Output: -95



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