PRODUCT LIST

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Task

Given an List]of integers , Construct a product List Of same size Such That prod[i] is equal to The Product of all the elements of Arr[] except Arr[i].

Notes

List size is at least 2 .

List numbers Will be only Positives

Repetition of numbers in the List/list could occur.

Input >> Output Examples

TestCase 1:

productList({12,20}) ==> return {20,12}

Explanation:

The first element in prod [] List 20 is the product of all List's elements except the first element

The second element 12 is the product of all List's elements except the second element .

TestCase 2:

productList ({1,5,2}) ==> return {10,2,5}

Explanation:

The first element 10 is the product of all List's elements except the first element 1

The second element 2 is the product of all List's elements except the second element 5

The Third element 5 is the product of all List's elements except the Third element 2.

TestCase 3:

productList ({10,3,5,6,2}) return ==> {180,600,360,300,900}

Explanation:

The first element 180 is the product of all List's elements except the first element 10

The second element 600 is the product of all List's elements except the second element 3

The Third element 360 is the product of all List's elements except the third element 5

The Fourth element 300 is the product of all List's elements except the fourth element 6

Finally ,The Fifth element 900 is the product of all List's elements except the fifth element 2