Lect Code 238 [Product of Array Except Self]
Given an array nums, return an array answer such that answer [i] is equal to the product of all the clements of nums except
The pretix product of any prefix or suffix of nums is guaranteed to fit in a 32-bit integer. You must write an algorithm that runs in O(n) time and without
using the division operator.
i: [1,2,3,4] Hris not possible to 1* 2* 3,*4=24
24/1-24, 24/2=12, 24/3-8, 2*3*4 1*3*4
Brute Force 1 nums [1,2,8,4]
Itarate the array For every single character. Its O(n2)
Better approach
nums: [1,2,3,1] i For left and rightedge we consider the second of the course anything multiply by 1
pre: 11/1/2/6 is the number itself.
Ans- 24,12,8,6 Time = O(n)
Time = O(n) Space O(n)
Optimal approach nums (1,2,3,4)
Ans: 1 1 2 6 post 14 18 24
4x1 4 Time (2n) 3x4 12 Grace (1)
2×12-24

