

Prefix and Postfix Method

eg. $arr = [10, 3, 5, 6, 2]$

The idea is take $nums[i]$ eg. 5 the answer for $nums[i] = 5$ should be Prefix multiplication of all elements \times postfix multiplication of all elements

$$\begin{array}{c} 10, 3, \boxed{5}, 6, 2 \\ \leftarrow \quad \quad \quad \rightarrow \\ 30 \times 12 \\ = 360 \end{array}$$

Steps \rightarrow Make 2 arrays prefix and postfix

i.e. $prefix = [1, 10, 30, 150, 900]$

$postfix = [180, 60, 12, 2, 1]$

$ans[i] = prefix[i] \times postfix[i]$

$ans = [180, 600, 360, 300, 900]$