Solution

Approach!-

Sunday, 7 May 2023 12:02 PM

- (1) Initialize prefix = 1
- (2) make answer variable: answer = [1] x len(nums)
- (3) Loop even nums in Forward direction!
- (4) for 1st element is nums:
 - -> store the perfix in its position of ancwer variable -> multiply the 1st clement of nums to the current perfix
- (5) Initialize poetfix to 1
- (c) Iterate over nume in backwards dirchim:
- (7) for last element in nume!

 I multiply the poetfix with the answer variable at that index

 I multiply the last element of nums with the

 coround value of poetfix:
- (8) Return answer variable.

```
nums = [1,2,3,4]
def result(nums):
    answer = [1] * len(nums)
    prefix = 1
    for i in range(len(nums)):
        answer[i] = prefix
        prefix *= nums[i]
```

```
postfix = 1
for i in range(len(nums)-1,-1,-1):
    answer[i] *= postfix
    postfix *= nums[i]

return answer
print(result(nums))
```