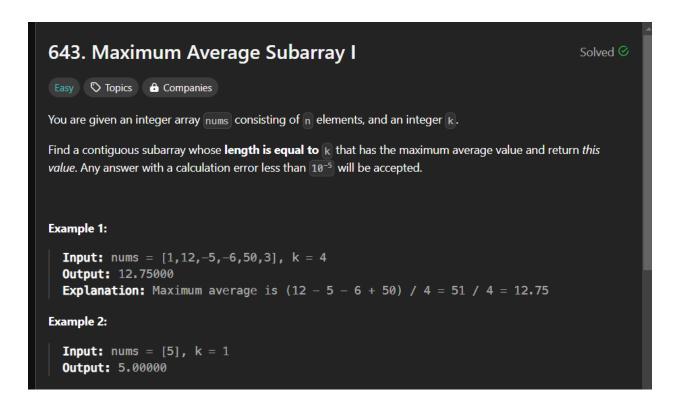
1: Leetcode 643: Maximum Average Subarray I

→ https://leetcode.com/problems/maximum-average-subarray-i/description/



A: PYTHON doubts:

 \rightarrow

- while loop \rightarrow while:
- no $++ \rightarrow$ use +=1
- For loop is equivalent to int sum = 0; for (int i = 0; i < k; i++) sum += nums[i]; int maxSum = sum;
 → sum = sum(nums[:k]) max sum = sum

B: Code -

```
class Solution:
   def findMaxAverage(self, nums: List[int], k: int) -> float:
```

```
currentSum = sum(nums[:k])
maxSum = currentSum

for i in range(k, len(nums)):
    currentSum += nums[i] - nums[i - k]
    maxSum = max(maxSum, currentSum)

return maxSum / k
```

C: Written notes

