

```
class Solution {
    public int[] runningSum(int[] nums) {
        int n = nums.length;
        int[] prefixSum = new int[n];
        prefixSum[0] = nums[0];
        for(int i=1;i<n;i++){
            prefixSum[i] = prefixSum[i-1]+nums[i];
        }
        return prefixSum;
    }
}
```

OUTPUT:

The screenshot shows a code editor interface with the following details:

- Testcase** | **Test Result**: The test result is **Accepted** with a runtime of 0 ms.
- Case 1**, **Case 2**, and **Case 3** are all checked.
- Input**:
nums =
[1,2,3,4]
- Output**:
[1,3,6,10]
- Expected**:
[1,3,6,10]