

* Problem Statement :-

→ Given an array `nums`, return its running sum.

* Examples :-

`nums = [1, 2, 3, 4]`

`output = [1, 3, 6, 10]`

Explanation = `[1, 1+2, 1+2+3, 1+2+3+4]`

* Solution :-

→ Take a sum variable as 0.

→ Loop over the array.

→ For each element :-

1) Calculate the sum

2) Update the same element with current sum.

```
int sum = 0;
for (int i = 0; i < nums.length; i++) {
    sum += nums[i];
    nums[i] = sum;
}
```

Time complexity :- $O(n)$

Space complexity :- $O(1)$