

Running Sum in C++						
<pre>#include <iostream> #include <vector> using namespace std; vector<int> runningSum(vector<int>& nums) { int n = nums.size(); vector<int> pre(n); pre[0] = nums[0]; for (int i = 1; i < n; i++) { pre[i] = pre[i - 1] + nums[i]; } return pre; } int main() { vector<int> arr = {1, 2, 3, 4}; vector<int> res = runningSum(arr); for (int i = 0; i < res.size(); i++) { cout << res[i] << endl; } return 0; }</pre>		Input: vector<int> arr = {1, 2, 3, 4};				
		📋 Dry Run Table:				
		i	nums[i]	pre[i - 1]	pre[i] = pre[i - 1] + nums[i]	pre vector after iteration
		0	1	-	pre[0] = 1	[1, _, _, _]
		1	2	1	pre[1] = 1 + 2 = 3	[1, 3, _, _]
2	3	3	pre[2] = 3 + 3 = 6	[1, 3, 6, _]		
3	4	6	pre[3] = 6 + 4 = 10	[1, 3, 6, 10]		
✔ Final Output (printed one per line): 1 3 6 10						
1 3 6 10						