vector <int> output, nums = { 1, 2, 3, 4};

// nums = { 1, 2, 3, 4}, output = {1, 3, 6, 10}

Vector <int> sum1D\_Array( vector<int> nums ){

for(int i = 0; i < nums.size(); i++){

if(i == 0){

output.push\_back(nums[i]);

}

Else if(i == 1){

Output.push\_back(nums[i] + nums[i-1]);

}

Else{

Output.push\_back(nums[i] + output[i-1]);

}

}

}