

Maximum Subarray :-

-2	1	-3	4	-1	2	1	-5	4
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 $O(n^2)$ 
~~for (int i = 0; i < n; i++) {~~  
~~for (int j = i; j < n; j++) {~~  
~~// calculate sum~~  
~~// update maxSum~~  
~~}~~  
~~}~~

```

12 int maxSumArray(vector<int> & nums) {
    int n = nums.size();
    if (n == 1) return nums[0];
    int maxSum = INT_MIN;
    int sum = INT_MIN;
    for (int i = 0; i < n; i++) {
        sum = 0;
        for (int j = i; j < n; j++) {
            sum += nums[j];
            if (maxSum < sum)
                maxSum = sum;
        }
    }
    return maxSum;
}

```

## 2020 SEPTEMBER

Mon	7	14	21	28
Tue	1	8	15	22
Wed	2	9	16	23
Thu	3	10	17	24
Fri	4	11	18	25
Sat	5	12	19	26
Sun	6	13	20	27

LARGEST SELLING POWER PRODUCTS



Learn to value yourself, which means: fight for your happiness. - Ayn Rand

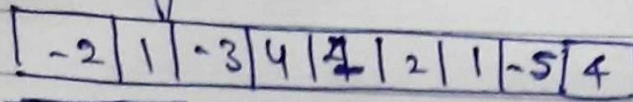


Ques . Kadanes Algorithm

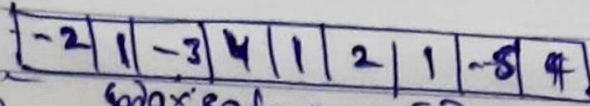
Stores maximum sum



max = -21



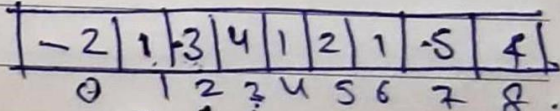
~~maxsofar = -2~~  
maxsofar += arr[i];  
maxsofar = max(arr[i], maxsofar)  
if (maxsofar > max)  
max = maxsofar.



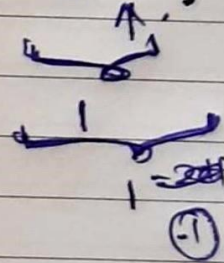
for (int i = 0; i < n; i++)  
maxsofar = arr[i];  
if (maxsofar > max)  
max = maxsofar.

maxsofar += arr[i];  
maxsofar = max(arr[i], maxsofar);  
if (maxsofar > max)  
max = maxsofar.

return maxsofar



maxsofar = -21  
max = -21



1-3  
1+4 = -2+4  
5. 1-3  
-2

2020 OCTOBER

Mon	5	12	19	26
Tue	6	13	20	27
Wed	7	14	21	28
Thu	1	8	15	22
Fri	2	9	16	23
Sat	3	10	17	24
Sun	4	11	18	25

MORE THAN 12 CRORE SMILING USERS

Success is getting what you want, happiness is wanting what you get - W.P. Kinsella