

Kadane's Algorithm

↳ It is used to find the ~~subArray~~ continuous subArray whose sum is maximum.

arr

-2	-3	2	-1	3	-2	8	-9
0	1	2	3	4	5	6	7

~~sum = arr[0]~~
 $sum = arr[0] = -2$

~~tempSum = 0~~
 $tempSum = 0$

$sum = 10$

sub-array

2	-1	3	-2	8
2	3	4	5	6

$T = O(n)$, $S = O(1)$

Note: Each time ($tempSum < 0$) we ~~make~~ set it to 0. Because there is no point of going forward with -ve sum