Kadane's Algorithm: Maximum Subarray Sum in an Array

Problem Statement: Given an integer array arr, find the contiguous subarray (containing at least one number) which has the largest sum and returns its sum and prints the subarray.

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3. Kadane's Algorithm
from os import *
from sys import *
from collections import *
from math import *
from sys import stdin, setrecursion limit
setrecursionlimit(10**7)
def maxSubarraySum(arr, n) :
  sum=0
  maxi=0
  for i in range(n):
    sum=sum+arr[i]
    if sum>maxi:
       maxi=sum
    if sum<0:
       sum=0
```

return maxi