Stock Portfolio Optimizer

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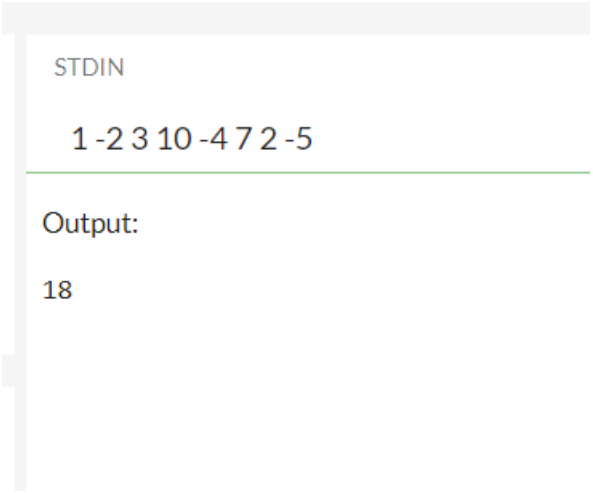
Details Of Project:I'm implementing this project by using Python Programming Language.

Code

max.py

```
l=list(map(int,input().split()))
max=float('-inf')
sum=0
n=len(l)
for i in range(n):
  sum=sum+l[i]
  if sum<0:
    sum=0
  elif sum>max:
    max=sum
print(max)
```

Input and Output



Explanation:

In this Program I have implemented **StockPortfolio Optimizer** whichis nothing but Maximum Sum Subarray, in which I have taken it as an input from user and displayed the output. Stock Portfolio by identifying maximum sum of subarray by kadane's algorithm. First, I am taking list of elements indicates 'l' variablebecause input contain list format. Initialize max value is negative values and sum is zero. I am taking another variable 'n' it indicates length of list and if sum value less than zero then it returns sum value Is zero.If this statement is false move to next condition sum is greater than maximum then

it returns sum value is stored on maximum then print the maximum value.

Conclusion:

Finally, I have got the desired output 18which Is nothing but Maximum Sum Subarray