stock portfolio optimizer

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Details of the project: I'm implementing this project by using python programming language

Code:

```python
def max_subarray_sum(arr):
    if not arr:
        return 0
    max_sum = float('-inf')
    Sum=0
    for i in arr:
        Sum = max(i,Sum + i)
        max_sum = max(max_sum,Sum)
    return max_sum
arr=list(map(int,input().split()))
print( max_subarray_sum(arr))
```

Input and output:

1 -2 3 10 -4 7 2 -5

Output:

18

Explanation:

1)In this program I have implemented stock portfolio-optimiser using keden's algorithm,In which first it will checks for empty array if it is yes it returns 0.

2)In next step we haveto initialize Sum&max_sum variables

sum=0,max_sum=-inf

3)we execute for loop and update the sum and max sum values

4)finally,print the max_sum is printed

Conclusion:

finally I have got the desired output stock portfolio optimizer