Stock portfolio optimizer

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

Code:

```python
main.py                                            Save    Run
1 ▾ def max_subarray_sum(arr):
2 ▾     if not arr:
3           return 0
4       max_sum = float('-inf')
5       Sum = 0
6 ▾     for i in arr:
7           Sum = max(i,Sum + i)
8           max_sum = max(max_sum,Sum)
9       return max_sum
10  arr=list(map(int,input().split()))
11  print( max_subarray_sum(arr))
```

Input and output:

```
Output

1 -2 3 10 -4 7 2 -5
18

=== Code Execution Successful ===
```

Explanation: In this program I have implemented project name which is nothing but stock portfolio optimizer the provide code implements kadane algrothim which is used to find maximum sum of sub array with in a one dimensional numeric array.

Conclusion:

Finally, I have got the desired output Stock portfolio optimizer.