STOCK PAIR FINDER

Date:5th June 2024

Submitted by: AREPALLI Madhuri

22KQ1A0701

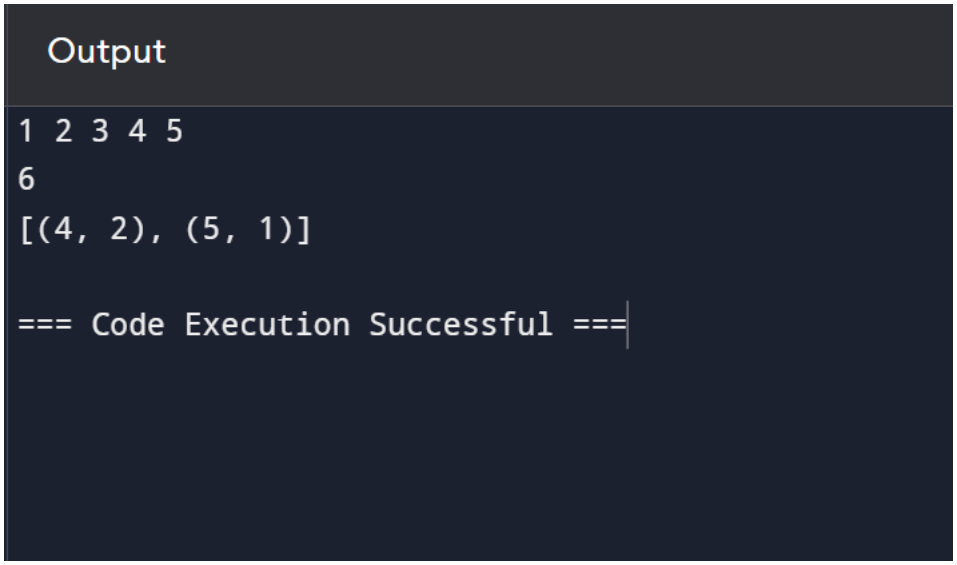
Details of the project: I'm Implementing This Project by Using Python Programming Language.

Code:

main.py Save Run

```
def find_pairs(list, target_sum):
    ele = set()
    output = []
    for num in list:
        val = target_sum - num
        if val in ele:
            if num > val:
                output.append((num, val))
            else:
                output.append((val, num))
        ele.add(num)
    return output
l = list(map(int, input().split()))
sum_value = int(input())
print(find_pairs(l, sum_value))
```

Input and output:



Explanation:

In this program I have Implemented project name which is nothing but STOCK PAIR FINDER. In this project I have been creating program that can find all pairs of elements in a list that sum up to a specific target. The program will be used by a financial analyst to identify pairs of stocks that have a total value equal to a specific target value. Here I am using the def function because it is defined the function. Append means to add the values into the end of the list.

Conclusion: Finally the logic is to print the pairs of the target.