# STOCK PAIR FINDER

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**Details of project:** I'm implementing thid project by using python programming language.

***Code:***

stockpairfinder.py +

```
def stock_pair_finder(stock, target_sum) :
  pairs=[]
  for i in range(len(stock)) :
    for j in range(i+1, len(stock)) :
      if stock[i]+stock[j]==target:
        pairs.append([stock[i],stock[j]])
        return pairs

        stock=[1, 2,3,4,5]
        target=6
        print(find_paris(stock, target_sum))
```

**Input and output:**

STDIN

Input for the program ( Optional )

Output:

```
[(1, 5), (2, 4)]
```

**Explanation:**

In this program I have implemented stock pair finder.

In this program  the function stock_pair_finder takes a list of stocks and a target. Here the pair values sum is equal to the target value.

The pairs are stored in a list and returned.

For example, if stocks = [1, 2, 3, 4, 5] and target = 6, the function would return [(1, 5), (2, 4)], because 1 + 5 = 6 and 2 + 4 = 6.

Aslo here there no pair values which is sum of the target.

**By checking the pairs :**

(1, 2) =sum is 3.

(1, 3) =sum is 4.

(1, 4) =sum is 5.

(1, 5) =sum is 6.(pairs)

(2, 3) =sum is 5.

(2, 4) =sum is 6.(pairs)

(2, 5) =sum is 7.

(3, 4) =sum is 7.

(3, 5) =sum is 8.

(4, 5) =sum is 9.

By checking the above pairs we find only two pairs.

The function works iterating through each possible pair of stocks and checking if their sum equals the target value.

**Conclusion:**

Finally I have got the output of stock pair finder