

# STOCK PAIR ANALYZER

DATE : 6<sup>TH</sup> JUNE 2024

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DETAILS OF PROJECT : I'm implementing this project by using python programming language.

CODE :

```
stock_pair_analyser.py +
1 def count_unique_pairs(list):
2     count = 0
3     for i in range(len(list)):
4         for j in range(i+1, len(list)):
5             count+=1
6     return count
7 list=list(map(int, input().split()))
8 print(count_unique_pairs(list))
```

INPUT & OUTPUT :

```
1 2 3 4 5
```

Output:

```
10
```

**EXPLANATION :** Here is an breif explation of the above code-

☒In this program I have implemented "Stock Pair Analyzer".

☒First of all I have used the 'def' function to define count\_unique\_pairs.

☒Next I have initialised count is equals to zero which means count is used to read the input values.

☒After that I have used the nested loop for incrementing the count variable for each pair found.

☒Then the program take list of integers as input from the user and converts the list of integers using map(is used to read multiple input values in a single line) taken as an input from user and display the output.

**CONCLUSION** : Finally the above program code taken a list of integers as input from the user and returns the count of unique pair that can be formed from the list.

For ex:

List=(1,2,3,4,5)

Then the output will be:10