

STOCK PAIR ANALYER

Date : 6th June 2024

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Details Of Project: I'm implementing this Stock Pair Analyer by using python programming language.

Code :

A screenshot of a code editor window. The title bar shows 'main.py' and icons for a file explorer, settings, and buttons for 'Save' and 'Run'. The code is written in Python and is as follows:

```
1 def count_unique_pairs(list):  
2     unique_pairs = set()  
3     for i in range(len(list)):  
4         for j in range(i+1, len(list)):  
5             pair = tuple(sorted((list[i], list[j])))  
6             unique_pairs.add(pair)  
7     return len(unique_pairs)  
8 list = list(map(int, input().split()))  
9 print(count_unique_pairs(list))
```

Input and output:

```
Output
1 2 3 4 5
10

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

Explanation :

In this program I have implemented Stock Pair Analyzer which is nothing but `count_unique_pairs`, in which I have taken It as an input `unique_pairs` is a set that stores unique pairs of integers. Nested loops are used in Inner loop and outer loop are iterates subsequences element to from pairs. Tuples are using set order of the elements. Unique pair is used to added the set. The function returns the number of unique pairs by returning the length of sets.

Conclusion :

Finally I have got the desired output

Stock pairs analyzer.