

STOCK PAIR ANALYZER

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Details of Project: I'm implementing this project by using Python Programming Language.

Code

```
stock pair analyzer.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 total_pairs=count_unique_pairs(list)
9 print(total_pairs)
```

Input and Output

```
STDIN
1 2 3 4 5
-----
Output:
10
```

Explanation:

In this Program I have used a function `count_unique_pairs` to generate all unique pairs. It validates the input to ensure it is a list of integers. It removes the duplicate values and list converted to set, after this it calculate the number of unique pairs by iterating through the unique elements and forming pairs. Finally it returns the total number of unique pairs.

Conclusion:

Finally I have got the number of unique pairs of integers without any duplication.