ST0CK PAIR ANALYSER

Date : 5th June 2024

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Details of Project : I am implementing this Stock pair Analyzer by using python programming language

Code :

main.py

```
def count_unique_pairs(list):
    count = 0
    for i in range(len(list)):
        for j in range(i+1,len(list)):
            count += 1
    return count
list=list(map(int,input().split()))
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 project name which is nothing but Stock Pair Analyzer and split, and prints the count of unique pairs using the count unique_pairs function,In which I have his program counts the number of unique pairs in a given list of integers.

The count_unique_pairs function iterates over the list using two nested loops, incrementing the count variable for each unique pair found. The outer loop iterates over the indices of the list, and the inner loop starts from the next index of the outer loop to avoid duplicate pairs. The program then takes a list of integers as input from the user, converts it to a list of integers using map taken it as an input from user and displayed the output

Conclusion :

The above program code takes a list of integers as input from the user and returns the count of unique pairs that can be formed from the list.

For example, if the input list is [1,2,3,4,5]

the output will be 10, because there are “10” unique pairs