Stock Pair Analyzer

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Details for project:I'am implementing this project by using python programmin language

Code:

```python
def count_unique_pairs(list):
    count = 0
    for i in range(len(list)):
        for j in range(i+1,len(list)):
            if list[i] != list[j]:
                count += 1
    return count
list=list(map(int,input().split()))
total_pairs=count_unique_pairs(list)
print(total_pairs)
```

Input and Output:

```
12345
```

Output:

```
10
```

Explanation:

In this program I have implement project name which is nothing but Stock Pair Analyzer. count_unique_pairs is defined to take a list as input and return the number of unique pairs .Inside the function,the variable count is taken as 0 this value used to keep the number of unique pairs.The outer for loop runs with i taking values 0 to len(list) to 1.The inner loop runs with j taking values i+1 to len(list) to 1. Inside the inner loop each iandj values are correct it is

incremented by 1.Both loops are correct

return the total_pairs

Conclusion:

Finally I have got the desired output 10.