

# STOCK PAIR FINDER

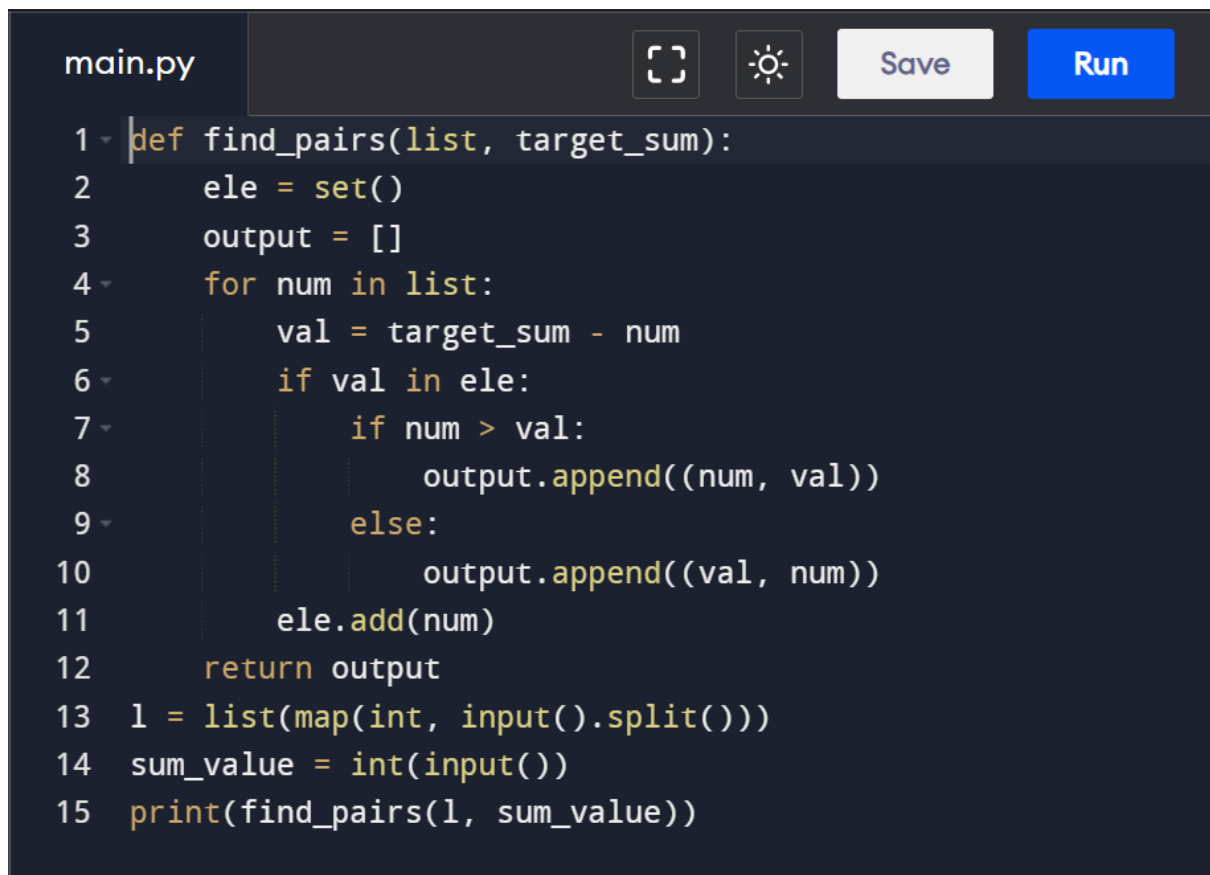
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**Submitted by:** AREPALLI Madhuri

22KQ1A0701

**Details of the project:** I'm Implementing This Project by Using Python Programming Language.

**Code:**

A screenshot of a code editor window titled 'main.py'. The editor has a dark background with light-colored text. At the top right, there are icons for a code editor (a square with a circle inside), a sun icon, and two buttons labeled 'Save' and 'Run'. The code is written in Python and is as follows:

```
1 def find_pairs(list, target_sum):
2     ele = set()
3     output = []
4     for num in list:
5         val = target_sum - num
6         if val in ele:
7             if num > val:
8                 output.append((num, val))
9             else:
10                output.append((val, num))
11        ele.add(num)
12    return output
13 l = list(map(int, input().split()))
14 sum_value = int(input())
15 print(find_pairs(l, sum_value))
```

**Input and output:**

### Output

```
1 2 3 4 5
```

```
6
```

```
[(4, 2), (5, 1)]
```

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

## Explanation:

In this program I have Implemented project name which is nothing but STOCK PAIR FINDER. In this project I have been creating program that can find all pairs of elements in a list that sum up to a specific target. The program will be used by a financial analyst to identify pairs of stocks that have a total value equal to a specific target value. Here I am using the def function because it is defined the function. Append means to add the values into the end of the list.

**Conclusion:** Finally the logic is to print the pairs of the target.

