

BLOCKFUSE LAB COHORT 1 CODING TEST

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Question 1 Solution:

Codes:

```
def TargetSum(nums, target):
    # Create a dictionary to store indices
    DeFounders_num_dict = {}

    # Iterate over the array
    for i, num in enumerate(nums):
        # Calculate the complement
        complement = target - num

        # Check if complement is in dictionary
        if complement in DeFounders_num_dict:
            # Return complement and current number
            return [DeFounders_num_dict[complement], i]

        # Add current number and index to dictionary
        DeFounders_num_dict[num] = i

    # Print a message saying no solution was found
    print('No solution was found')
    return []

# Test the function with the input list and target value
print(TargetSum([-1, -2, -3, -4, -5], -8))
print(TargetSum([0, 4, 3, 0], 0))
#Yours Faithfully @De founder
```

Result Using Fuzz Data:

OneCompiler

EDITOR STUDIO CHALLENGES ORGS MORE

LOGIN

script1.py + 42mk9dwcf NEW PYTHON RUN

```
1 def TargetSum(nums, target):
2     # Create a dictionary to store indices
3     DeFounders_num_dict = {}
4
5     # Iterate over the array
6     for i, num in enumerate(nums):
7         # Calculate the complement
8         complement = target - num
9
10        # Check if complement is in dictionary
11        if complement in DeFounders_num_dict:
12            # Return complement and current number
13            return [DeFounders_num_dict[complement], i]
14
15        # Add current number and index to dictionary
16        DeFounders_num_dict[num] = i
17
18    # Print a message saying no solution was found
19    print('No solution was found')
20    return []
21
22 # Test the function with the input list and target value
23 print(TargetSum([-1, -2, -3, -4, -5], -8))
24 print(TargetSum([0, 4, 3, 0], 0))
25
26
```

STDIN

Input for the program (Optional)

Output:

[2, 4]
[0, 3]