2ªEX

# **DETAILS** Name

Mohammed Aaqib R

**Roll Number** 

22BI24EE417-T

## **EXPERIMENT** ZAEEL

22812AEEA Title

EEATT

< 22812A5

ZAFFATT

TARGET SUM

#### Description

You are given a list of integers, and your task is to write a function that finds the two numbers in the list that add up to a specific target sum. You need to return the indices of these two numbers.

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Write a function that takes a list of Integers and a target sum as input and returns a list of two indices (0-based) of the numbers that add up to the target sum. Assume that there is exactly one solution, and you cannot use the same element twice

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AFFATTI

1228121

,12AEEA11

2281

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#### Sample Input:

2 7 11 15

9

### **Sample Output:**

[0, 1]

22812AEA11

Source Code:

```
def find_two_sum_indices(nums, target):
num_indices = {}
for index, num in enumerate(nums):
    complement = target - num
    if complement in num_indices:
        return [num_indices[complement], index]
    num_indices[num] = index
return []
import sys
input = sys.stdin.read
data = input().strip().splitlines()
nums = list(map(int, data[0].split()))
target = int(data[1])
result = find_two_sum_indices(nums, target)
print(result)
```

RESULT

5 / 5 Test Cases Passed | 100 %

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220

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