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FIB53MC



STUDENT REPORT

DETAILS

Name⁵

RAMANJINEYALU

Roll Number

KUB23MCA013

EXPERIMENT. Title

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.

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

Sample Input:

2 7 11 15

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Sample Output:

[0, 1]

```
Source Code:
            def two_sum(nums,target):
                num_to_index={}
                for i,num in enumerate(nums):
                    complement=target-num
                    if complement in num_to_index:
                        return [num_to_index[complement],i]
                    num_to_index[num]=i
                raise ValueError("No two numbers add up to the target sum.")
            nums=list(map(int,input().split()))
            target=int(input())
            indices=two_sum(nums,target)
            print(indices)
```

RESULT

5 / 5 Test Cases Passed | 100 %

https://practice.reinprep.com/student/get-report/f305925f-7caa-11ef-ae9a-0e411ed3c76b

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