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

9

**Sample Output:** 

[0, 1]

```
Source Code:
           def two_sum(nums, target):
             num_to_index = {}
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             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 %

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