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DETAILS
        Name
          SYEDA AALIYA FATIMA
         Roll Number
          3BR23AI162
      EXPERIMENT
       Title
TARGET SUM
          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:
          271115
          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 %

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Logo