```
EMPREEN
      DETAILS
        Name
          JAGADEESH B
                                         SEOA
        Roll Number
          TEMPBTech-CSE041
      EXPERIMENT
      Title < © C
         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:
           271115
           Sample Output:
           [0, 1]
         Source Code:
           def two_sum(nums, target):
               num_to_index = {}
               for index, num in enumerate(nums):
                   complement = target - num
                    if complement in num_to_index:
                        return [num_to_index[complement], index]
                   num_to_index[num] = index
               return []
           # Sample Input
           nums = [2, 7, 11, 15]
```

RESULT

2 / 5 Test Cases Passed | 40 %

result = two_sum(nums, target)
print(result) # Output: [0, 1]