```
Logo
540k-1281240°
      DETAILS
Name
          SHREYAS M
                                                                                    28/1
                                                                                                                 81240
         Roll Number
          22BI24DS404-T
       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:
           271115
812AD5AS
           9
           Sample Output:
           [0, 1]
                                                                                        228124
         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]
           target = 9
           result = two_sum(nums, target)
           print(result) # Output: [0, 1]
       RESULT
         2 / 5 Test Cases Passed | 40 %
   2B/2
```