```
def two_sum(nums, target):
        index_map = {} # Dictionary to store number and its index
       for index, num in enumerate(nums):
           complement = target - num # Calculate the complement
           # Check if the complement exists in the dictionary
           if complement in index_map:
                return [index_map[complement], index] # Return the indices
           # Store the current number with its index
           index_map[num] = index
        return [] # Return an empty list if no solution is found (should not happen)
    # Input reading
    input_numbers = list(map(int, input().strip().split()))  # Read list of integers
    target_sum = int(input().strip()) # Read target sum
    # Calculate and print the result
    result = two_sum(input_numbers, target_sum)
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 %
```