STUDENT REPORT Name ANKITHA B M **Roll Number** 3BR23CD006 **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: 2 7 11 15 9 **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)

5 / 5 Test Cases Passed | 100 %

RESULT

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