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Logo
                                                      STUDENT REPORT
       DETAILS
         Name
          K AMBIKA
         Roll Number
          3BR23CD034
       EXPERIMENT
       Title
SON SANGET 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
           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)
       RESULT
         5 / 5 Test Cases Passed | 100 %
```