```
1368014 20 R136
         Name
           ARATHI H M
                                                                                                                             csola
          RvII Number
           3BR23CS014
       EXPERIMENT
       Title
TARGET SUM
          Descriptivn
            Yvu are given a list vf integers, and yvur task is tv write a functivn that finds the twv numbers in the list that add up tv a specific target sum.
                                                                                                                                         OVER SERVI
            Yvu need tv retum the indices vf these twv numbers.
            Write a functivn 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
            tv the target sum. Assume that there is exactly vne solution, and you cannot use the same element twice
            Sample Input:
            2 7 11 15
            9
            Sample Output:
            [0, 1]
                                                                                                   38273
                                                                                                                 c0/11/38
523cso1
         Svurce Cväe:
            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 %
```

3000

. 901th

.82°3