```
3. R. 7. 3. C. 10. 8. 9. 3. C. 10. 8. 9.
                                                           STUDENT REPORT
         Name
           S MADAN
                                              ROSS
         Roll Number
           3BR23CA089
       EXPERIMENT
            382731
       Title
38<sup>23,32</sup>11, TARCET 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 retur the indices of these two numbers.
                                                                                                                                      3CHOSO 3T
            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:
                                                                                                                                      389 3BPT
            2 7 11 15
            9
            Sample Output:
            [0, 1]
Source Code:
                                                                                36R23C
                                                                                                               3CRO39
                                                                                                                                       123CR089
            def two_sum(nums, target):
              num_to_index = {}
3ch089
              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
1080 3BP1
              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)
                                                                                                                                   29 38R23CNOE
                        3938273CA
       RESULT
         5 / 5 Test Cases Passed \ 100 %
                            23CAL
             "080
```

Logo