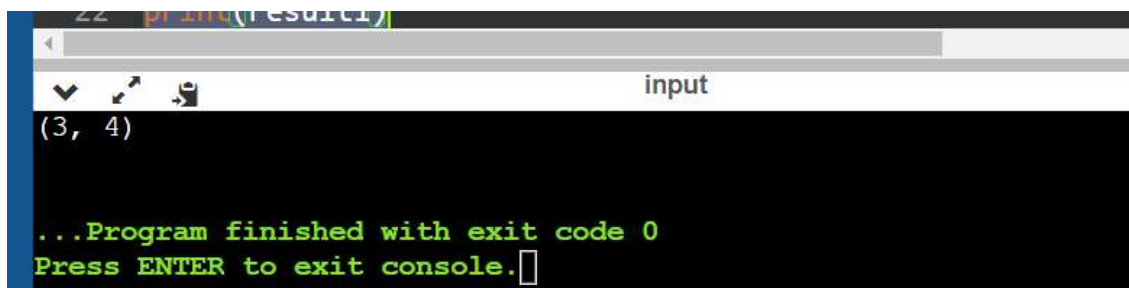


Problem 5: You are given a read-only array of N integers with values also in the range [1, N] both inclusive. Each integer appears exactly once except A which appears twice and B which is missing. The task is to find the repeating and missing numbers A and B where A repeats twice and B is missing.

```
def findRepeatingAndMissing(array):  
    N = len(array)  
    sumOfArray = 0  
    sumOfSquares = 0  
  
    for i in range(N):  
        sumOfArray += array[i]  
        sumOfSquares += array[i] * array[i]  
  
    sumOfIntegers = N * (N + 1) // 2  
    sumOfSquaresIntegers = N * (N + 1) * (2 * N + 1) // 6  
  
    diff = sumOfArray - sumOfIntegers  
    diffSquares = sumOfSquares - sumOfSquaresIntegers  
  
    A = (diffSquares // diff + diff) // 2  
    B = A - diff  
  
    return (A, B)  
  
array1 = [3, 1, 2, 5, 3]  
result1 = findRepeatingAndMissing(array1)  
print(result1)
```



The screenshot shows a terminal window with a title bar that includes the word "input". The terminal output displays the result of the program as a tuple: (3, 4). Below this, a green message states "...Program finished with exit code 0" and another green message says "Press ENTER to exit console." followed by a cursor icon.