Assignment

**Question 1**

Write a python code for converting integer values to Indian currency notations, without

using the currency libraries

Example:

input: 504678

output: 5,04,67

**Solution code:**

def convert\_to\_indian\_currency(number):

    # Convert the number to a string for further conversion

    number\_str = str(number)

    formatted\_number = ""

    if len(number\_str) > 3:

        formatted\_number = number\_str[-3:]

        number\_str = number\_str[:-3]

        while len(number\_str) > 2:

            formatted\_number = number\_str[-2:] + "," + formatted\_number

            number\_str = number\_str[:-2]

        if number\_str:

            formatted\_number = number\_str + "," + formatted\_number

    else:

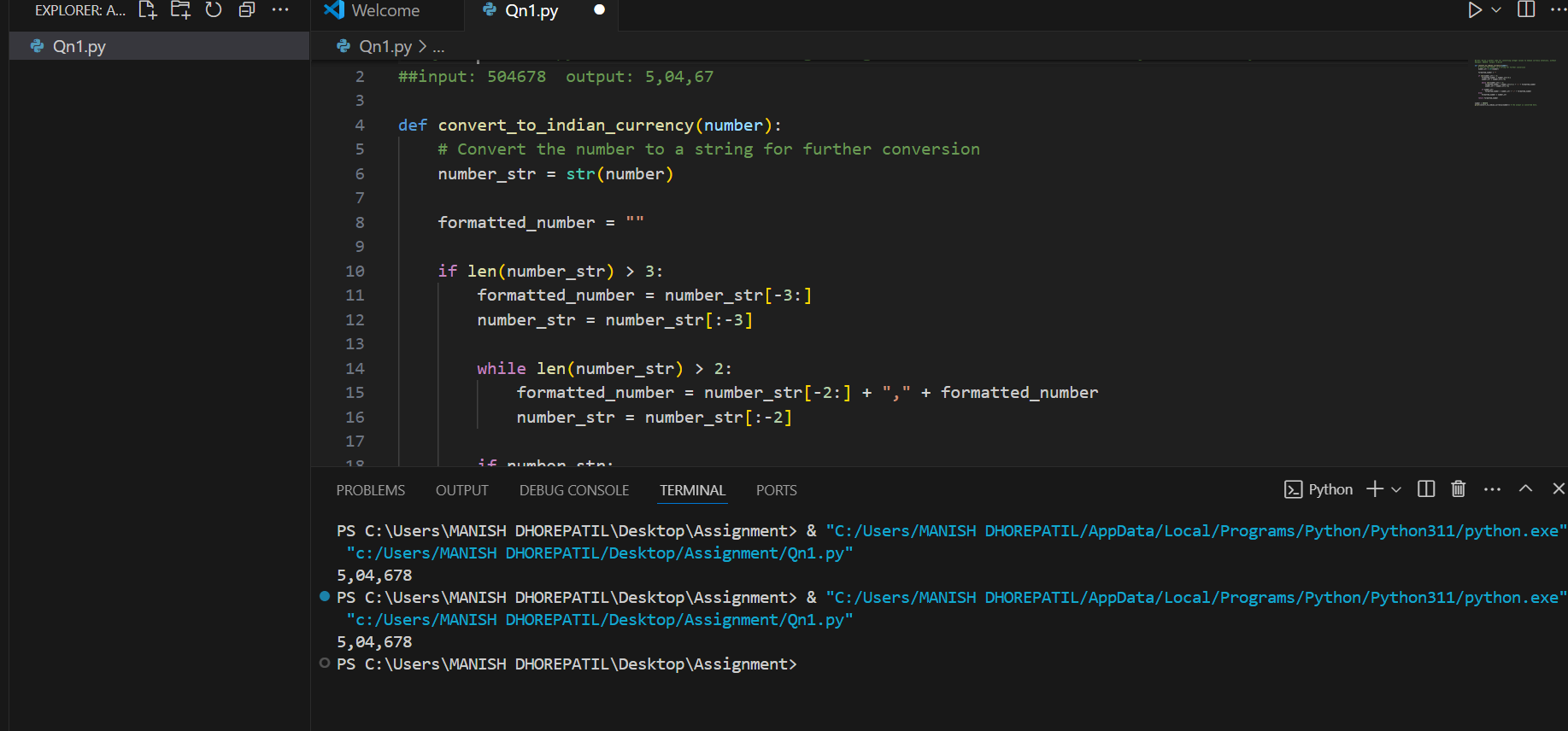
        formatted\_number = number\_str

    return formatted\_number

number = 504678

print(convert\_to\_indian\_currency(number)) # the output is converted here.

**Output** :



**Question 2** You won’t get caught if you hide behind someone.” Sang-Woo advises Gi-Hun to hide behind someone to avoid getting shot. Gi-Hun follows Sang-Woo's advice and hides behind Ali, who saved his life earlier. Gi-Hun and Ali both have the same height, K . Many players saw this trick and also started hiding behind Ali. Now, there are N players standing between Gi-Hun and Ali in a straight line, with the ith player having height Hi . Gi-Hun wants to know the minimum number of players who need to get shot so that Ali is visible in his line of sight.

Solution :

def count\_obstructions(test\_cases):

    results = []

    for i in range(test\_cases):

        N, K = map(int, input().split())

        heights = list(map(int, input().split()))

        count = 0

        for height in heights:

            if height > K:

                count += 1

        results.append(count)

    # Output

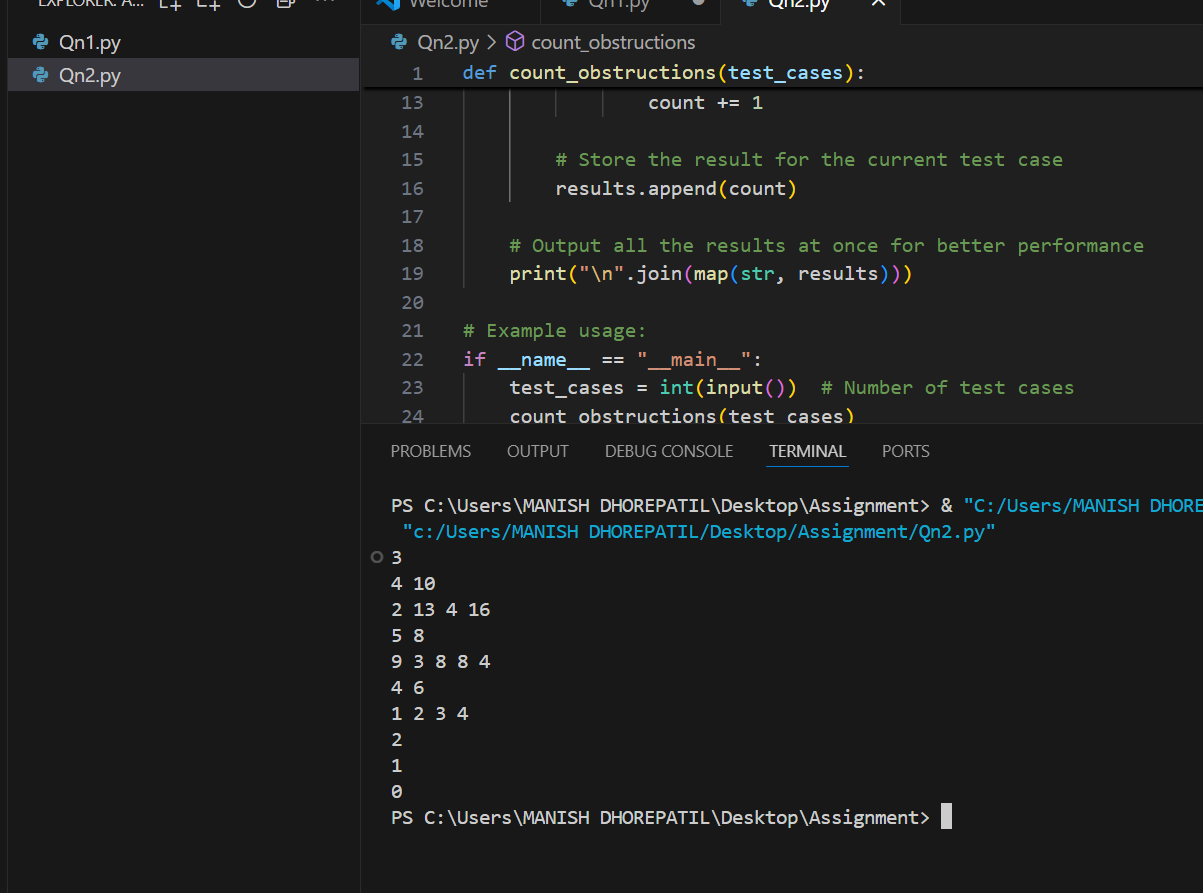
    print("\n".join(map(str, results)))

if \_\_name\_\_ == "\_\_main\_\_":

    test\_cases = int(input())  # Number of test cases for use

    count\_obstructions(test\_cases)

**output :**

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