Q.12) Input 4 integers (+ve and -ve). Write a Python code to find the sum of negative numbers, positive numbers, and print them. Also, find the averages of these two groups of numbers and print.

```python
def Sums_Averages(numbers):
    positive_sum = 0
    negative_sum = 0
    positive_count = 0
    negative_count = 0

    for num in numbers:
        if num > 0:
            positive_sum += num
            positive_count += 1
        elif num < 0:
            negative_sum += num
            negative_count += 1

    if positive_count > 0:
        positive_avg = positive_sum / positive_count
    else:
        positive_avg = 0

    if negative_count > 0:
        negative_avg = negative_sum / negative_count
    else:
        negative_avg = 0

    return positive_sum, negative_sum, positive_avg, negative_avg
```

```python
numbers = []
print("Enter 4 integers (both positive and negative):")
for _ in range(4):
num = int(input())
numbers.append(num)


positive_sum, negative_sum, positive_avg, negative_avg = Sums_Averages(numbers)


print(f"Sum of positive numbers: {positive_sum}")
print(f"Sum of negative numbers: {negative_sum}")
print(f"Average of positive numbers: {positive_avg}")
print(f"Average of negative numbers: {negative_avg}")
```