# week 9 teach

# Kim Sorensen

import math

print()

print()

numbers = []

number = -1

sum = 0

ave = 0

smallest\_so\_far = 99999999999999999999999999999

print("Enter a list of positive and negative numbers. When you are finished, please type '0'")

while number != 0:

    number = int(input("Please enter a whole number: "))

    if number != 0:

        numbers.append(number)

    else:

        s = math.fsum(numbers)

        ave = s/len(numbers)

        m = max(numbers)

        numbers.sort()

        print()

        print()

        print(f"The sum is: {s}. ")

        print(f"The average is: {ave}.")

        print(f"The largest number is {m}.")

        for number in numbers:

            if number > 0 and number < smallest\_so\_far:

                smallest\_so\_far = number

                print(f"The smallest positive number is {smallest\_so\_far}.")

                for number in numbers:

                    print(number)

        else:

            break