# open the file with the input
inFile=open("input.txt","r")

# open the file to print the output
outFile=open("output.txt","w")

# function that sums all numbers in a list
def add(input_list):
    total = 0
    for item in input_list:
        total += int(item)
    return total

# function that calculates the average of even numbers in the list
def even_average(input_list):
    total = 0
    count = 0
    for item in input_list:
        if int(item) % 2 == 0:
            total += int(item)
            count += 1
    return total / count

for line in inFile.readlines():
    input_items = line.split(' ');

    if input_items[0] == "sum":
        print("The sum of all items in this line is:" , add(input_items[1:]))
        outFile.write("The sum of all items in this line is: "+str(add(input_items[1:]))+"\n"

    elif input_items[0] == "evenaverage":
        print("The average of all even numbers in this line is:" , even_average(input_items[1:]))
        outFile.write("The average of all even numbers in this line is: "+str(even_average(input_items[1:]))+"\n"
    else:
        print("Operator was not specified or is unknown.")
        outFile.write("Operator was not specified or is unknown.\n")

# close the input and output files
inFile.close()
outFile.close()