# Exercise debugging

As input, we have 2 arrays of numbers

* Display the array whose sum of its numbers is the **greatest one**
* If the 2 arrays sum are the same, just display “Equal”

### **Example**

|  |  |
| --- | --- |
| INPUT | OUTPUT |
| [2, 3, 4]  [1, 0, 3] | [2, 3, 4]  *Because 2 + 3 + 4 > 1 + 0 + 3* |
| [2, -5, 7, 3, 4]  [1, 9, 3] | [1, 9, 3]  *Because 2 + (-5) + 7 + 3 + 4 < 1 + 9 + 3* |
| [2, 4, 5, 5, 10]  [4, 7, 2, 5, 8] | “Equal”  *Because 2 + 4 + 5 + 5 + 10 = 4 + 7 + 2 + 5 + 8 (= 26)* |

**Question: Find the problem in each code**

# Exercise 1

array1 = eval(input())

array2 = eval(input())

sum1 = 0

sum2 = 0

for number1 in array1 :

for number2 in array2 :

sum1 += number1

sum2 += number2

if sum1 > sum2 :

result = array1

elif sum2 > sum1 :

result = array2

else :

result = "Equal"

print(result)

# Exercise 2

array1 = eval(input())

array2 = eval(input())

sum1 = []

sum2 = []

for number in array1 :

sum1.append(number)

for number in array2 :

sum2.append(number)

if sum1 > sum2 :

result = array1

elif sum2 > sum1 :

result = array2

else :

result = "Equal"

print(result)

# Exercise 3

array1 = eval(input())

array2 = eval(input())

sum1 = 0

sum2 = 0

for i in range(len(array1)) :

sum1 += array1[i]

sum2 += array2[i]

if sum1 > sum2 :

result = array1[i]

elif sum2 > sum1 :

result = array2[i]

else :

result = "Equal"

print(result)

# Exercise 4

array1 = eval(input())

array2 = eval(input())

sum1 = 0

sum2 = 0

for i in range(len(array1)) :

if [i] > array1 :

sum1 += i

for i in range(len(array2)) :

if [i] > array2 :

sum1 += i

if sum1 > sum2 :

result = array1

elif sum2 > sum1 :

result = array2

else :

result = "Equal"

print(result)

# Exercise 5

array1 = eval(input())

array2 = eval(input())

sum1 = 0

sum2 = 0

result = 0

for i in range(len(array1)) :

for j in range(len(array2)) :

if array1[i] > array2[j] :

result += 1

print(result)

# Exercise 6

array1 = eval(input())

array2 = eval(input())

sum1 = 0

sum2 = 0

for i in range(len(array1)) :

sum1 += array1[i]

for i in range(len(array2)) :

sum2 += array2[i]

if sum1 > sum2 :

result = array1[i]

elif sum2 > sum1 :

result = array2[i]

else :

result = "Equal"

print(result)

# Exercise 7

array1 = eval(input())

array2 = eval(input())

sum1 = 0

sum2 = 0

for i in range(len(array1)) :

sum1 += array1[i]

for i in range(len(array2)) :

sum2 += array2[i]

result = 0

if sum1 > sum2 :

result += array1[i]

elif sum2 > sum1 :

result += array2[i]

else :

result = "Equal"

print(result)

# Exercise 8

**Here the code works bug there are useless steps**

array1 = eval(input())

array2 = eval(input())

sum1 = 0

sum2 = 0

newArray = []

for number in array1 :

sum1 += number

for number in array2 :

sum2 += number

if sum1 > sum2 :

for i in range(len(array1)) :

newArray.append(array1[i])

elif sum2 > sum1 :

for i in range(len(array2)) :

newArray.append(array2[i])

else :

result = "Equal"

print(result)