Ch4

4-1

N = int(input("How many number? "))

MAX = 0

i = 1

while i <= N:

 print("Please input the value of number",i,": ",end="")

 x = int(input())

 if x > MAX:

 MAX = x

 i = i + 1

print("MAX = ",MAX)

**Result:**

How many number? 5

Please input the value of number 1: 11

Please input the value of number 2: 17

Please input the value of number 3: 6

Please input the value of number 4: 20

Please input the value of number 5: 13

MAX = 20

4-2

N = int(input("Please input N: "))

Start = int(input("Please input the start number: "))

Interval = int(input("Please input the interval: "))

Sum = 0

print("The numbers are: ",end='')

while N>0:

 print(Start," ",end='')

 Sum += Start

 Start += Interval

 N -= 1

print("\nTotal = ",Sum)

**Result:**

Please input N: 7

Please input the start number: 1

Please input the interval: 2

The numbers are: 1 3 5 7 9 11 13

Total = 49

4-3

N = int(input("Please input N: "))

Sum = 0

Current = 0

while Current < N:

 print("Please input the",Current + 1,"th value: ", end="")

 x = int(input())

 if x < 13:

 Sum += x

 else:

 print(x,"is greater than 13. Ignore it!")

 Current += 1

print("Total = ",Sum)

**Result:**

Please input N: 5

Please input the 1th value: 10

Please input the 2th value: 15

15 is greater than 13. Ignore it!

Please input the 3th value: 5

Please input the 4th value: 20

20 is greater than 13. Ignore it!

Please input the 5th value: 1

Total = 16

4-4

N = int(input("Please input N: "))

while N > 0:

 x = int(input("Please input the value: "))

 if x>7 and x<10:

 break

 N -= 1

print("STOP ON： ",x)

**Result:**

Please input N: 5

Please input the value: 3

Please input the value: 12

Please input the value: 7

Please input the value: 9

STOP ON： 9

**Result 2:**

Please input N: 4

Please input the value: 1

Please input the value: 10

Please input the value: 7

Please input the value: 3

STOP ON： 3

4-5

N = 1

while N <=5:

 a = int(input("Please input a" + str(N) + ": "))

 b = int(input("Please input b" + str(N) + ": "))

 if a > b:

 print("a"+str(N)+" =",a," > b"+str(N)+" =",b)

 break

 N += 1

**Result 1:**

Please input a1: 3

Please input b1: 5

Please input a2: 4

Please input b2: 2

a2 = 4 > b2 = 2

**Result 2:**

Please input a1: 1

Please input b1: 7

Please input a2: 6

Please input b2: 9

Please input a3: 4

Please input b3: 12

Please input a4: 5

Please input b4: 8

Please input a5: 9

Please input b5: 11