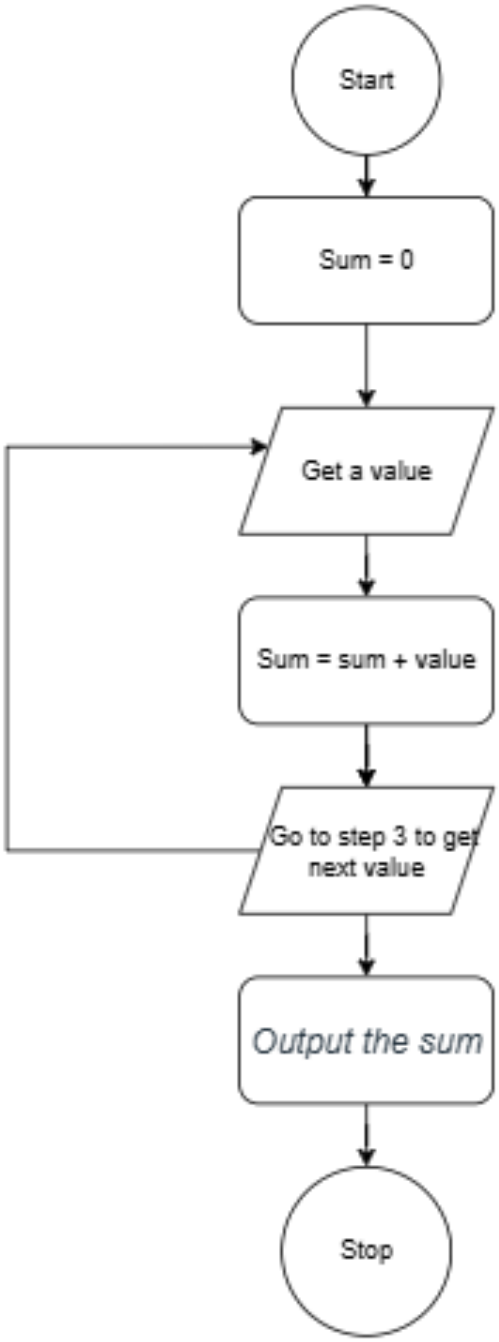
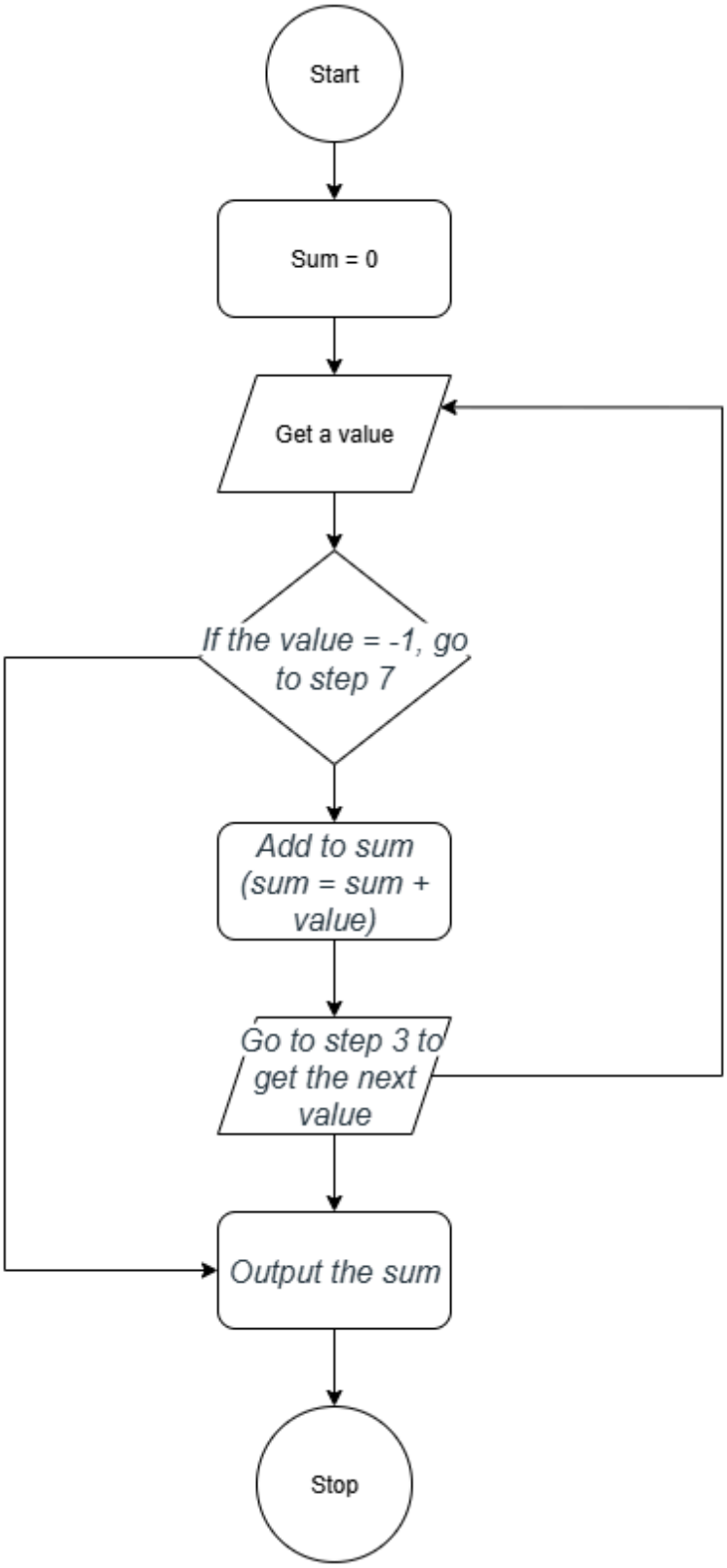
**Problem 1 :**


Start
Sum = 0
Get a value
Sum = sum + value
Go to step 3 to get next value
Output the sum
Stop

**Problem 2 :**


Start
Sum = 0
Get a value
If the value = -1, go to step 7
Add to sum (sum = sum + value)
Go to step 3 to get the next value
Output the sum
Stop

**Additional Activities :**

1. **Design an algorithm and the corresponding flowchart for finding the sum of the numbers 2, 4, 6, 8, …, n (output: Algorithm and Flowchart)**

   **Algorithm :**

   start

   input first value

   input second value

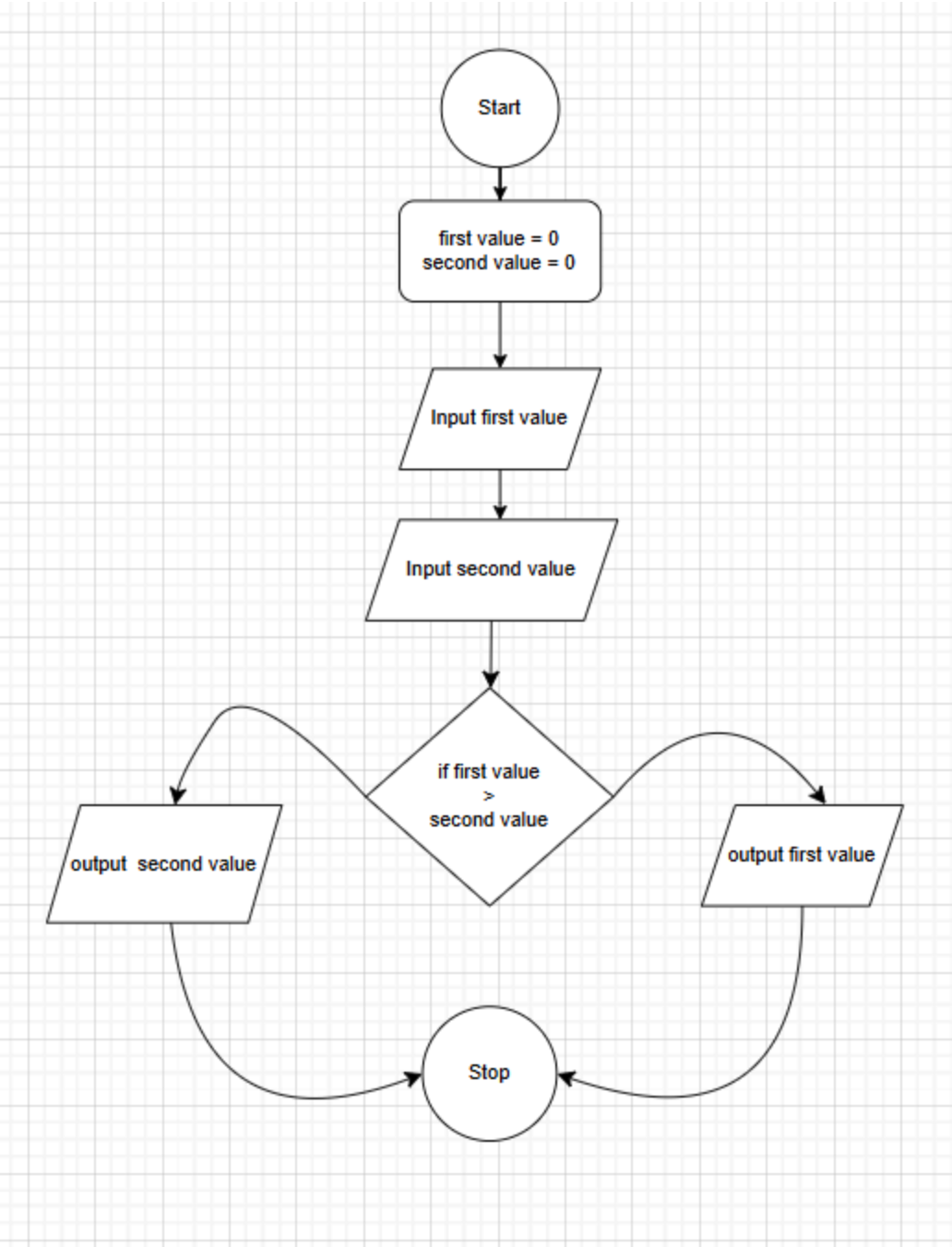
   if first value > than second value

   then output first value

   else output second value

   stop

   **Flowchart :**




2. **Write an algorithm to read 100 numbers and then display the sum.**

**Algorithm :**

start
sum = 0
repeat 100 times:
input a number
add number to sum
output the sum
stop

3. **Write an algorithm to read two numbers then display the largest.**

**Algorithm :**

start
input first value
input second value
if first value > than second value
then output first value
else output second value
stop

4. **Write an algorithm to read two numbers then display the smallest**

**Algorithm :**

start
input first value
input second value
if first value < than second value
then output first value

else output second value

stop

5. **Write an algorithm to read three numbers then display the largest.**

**Algorithm :**

start

input first value

input second value

input third value

if first value > than second value > third value

then output first value

if second value > first value > third value

Then output second value

else output third value

stop

6. **Write an algorithm to read 100 numbers then display the largest.**

**Algorithm :**

start

sum = 0

input a number

repeat 100 times:

output largest number

stop