EXPERIMENT 3.1.1

3.1.1Largest of three numbers

ALGORITHM:

Step 1 : Start

Step 2 : Input n1,n2,n3

Step 3 : If n1 > n2 and n1 > n3

      Print n1 is largest

    elif n2 > n1 and n3 > n2

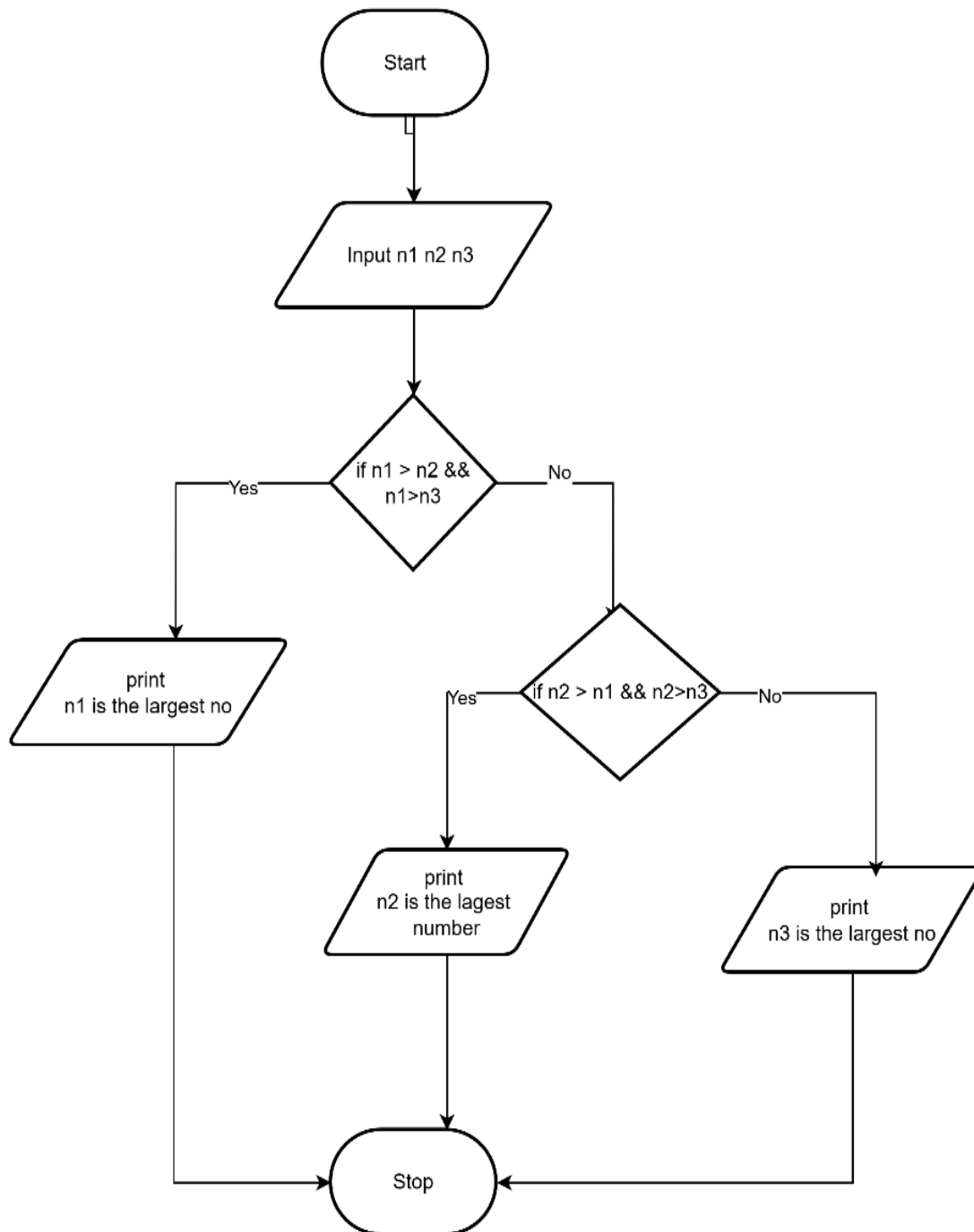   print n2 is the largest

   else

    print n3 is the largest

  loop end

Step 4 : Stop

Code:

```
a = int(input())
b = int(input())
c = int(input())
if a>c and a>b:
        print(a)
elif b>c and b>a:
        print(b)
else:
        print(c)
```

FlowChart:

```
                    ┌──────────┐
                    │  Start   │
                    └────┬─────┘
                         │
                    ┌────▼─────────┐
                   /  Input n1 n2 n3 /
                  └─────┬──────────┘
                        │
                     ◇ if n1 > n2 &&
          Yes ◄──────   n1>n3   ──────► No
           │                              │
   ┌───────▼────────┐              ◇ if n2 > n1 && n2>n3
  /     print        /       Yes ◄──            ──► No
 /  n1 is the largest no /      │                   │
└────────┬──────────┘    ┌──────▼──────┐    ┌────────▼────────┐
         │              /    print      /   /      print       /
         │             /  n2 is the lagest/  /  n3 is the largest no /
         │            /    number       /   └────────┬────────┘
         │           └──────┬──────┘             │
         │                  │                    │
         └──────────►  ┌────▼────┐  ◄────────────┘
                       │  Stop   │
                       └─────────┘
```

Start

Input n1 n2 n3

if n1 > n2 && n1>n3

Yes

No

print
n1 is the largest no

if n2 > n1 && n2>n3

Yes

No

print
n2 is the lagest
number

print
n3 is the largest no

Stop

3.1.1. Largest of Three Numbers

Write a Python program that prompts the user to enter three integers. Print the largest of the three integers.

Input Format:
- The program will prompt the user to enter three integers, one per line.

Output Format:
- The output will display the largest integer among the three integers.

Sample Test Cases   +

largestNu...

```python
a = int(input())
b = int(input())
c = int(input())
if a>c and a>b:
    print(a)
elif b>c and b>a:
    print(b)
else:
    print(c)
```

Average time	Maximum time
0.011 s	**0.021 s**
11.50 ms	21.00 ms

✔ 2 out of 2 shown test case(s) passed
✔ 2 out of 2 hidden test case(s) passed

✔ **Test case 1** 8 ms   Debug

Expected output	Actual output
5	5
6	6
7	7
7	7

✔ Test case 2 21 ms

Terminal   Test cases

‹ Prev   Reset   Submit   Next ›