

3.1.1 Largest of three numbers

Algorithm

Step 1:- Start

Step 2:- Input three numbers A, B, and C

Step 3:- If $A \geq B$ and $A \geq C$,

→ Display A as the largest

Step 4:- Else if $B \geq A$ and $B \geq C$,

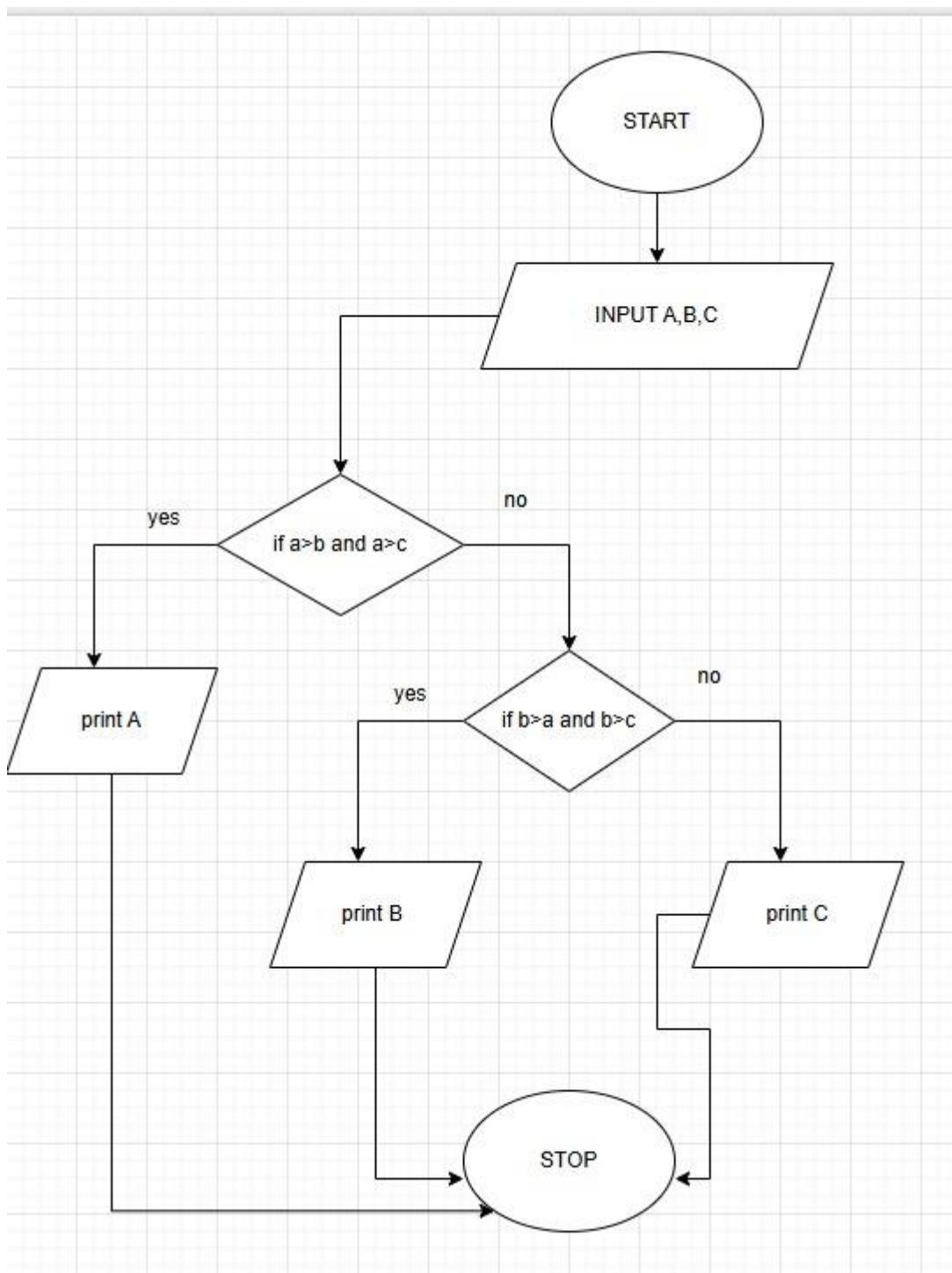
→ Display B as the largest

Step 5:- Else,

→ Display C as the largest

Step 6:- Stop

FLOWCHART



PYTHON CODE

```
a=int(input())
```

```
b=int(input())
```

```
c=int(input())  
print(max(a,b,c))
```

EXECUTION

The screenshot shows the CodeTantra IDE interface. On the left, there's a sidebar with 'Sample Test Cases' and a '+' button. The main area has tabs for 'Input Format' and 'Output Format'. The 'Input Format' tab contains the instruction: 'Write a Python program that prompts the user to enter three integers. Print the largest of the three integers.' It also specifies: 'The program will prompt the user to enter three integers, one per line.' The 'Output Format' tab states: 'The output will display the largest integer among the three integers.' In the center, there's an 'Explorer' section with a file named 'largestN...'. The code editor shows the following Python code:

```
a=int(input())  
b=int(input())  
c=int(input())  
print(max(a,b,c))
```

To the right of the code editor is a results panel. It shows performance metrics: Average time (0.018 s), Maximum time (0.023 s), and Time limit (15.00 ms). It also displays test case results: 2 out of 2 shown test case(s) passed and 2 out of 2 hidden test case(s) passed. Below this, there are two tables: 'Expected output' and 'Actual output', both showing the numbers 5, 6, 7. A green checkmark indicates 'Test case 2 (15 ms)' passed. At the bottom, there are buttons for 'Terminal', 'Test cases', and navigation arrows ('< Prev', 'Reset', 'Submit', 'Next >').