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Experiment : 7

3.1.1 Largest of Three Numbers

A) Algorithm:

Step 1 : Start

Step 2 : Input A, B, C from user

Step 3: $a > b$ and $a > c$

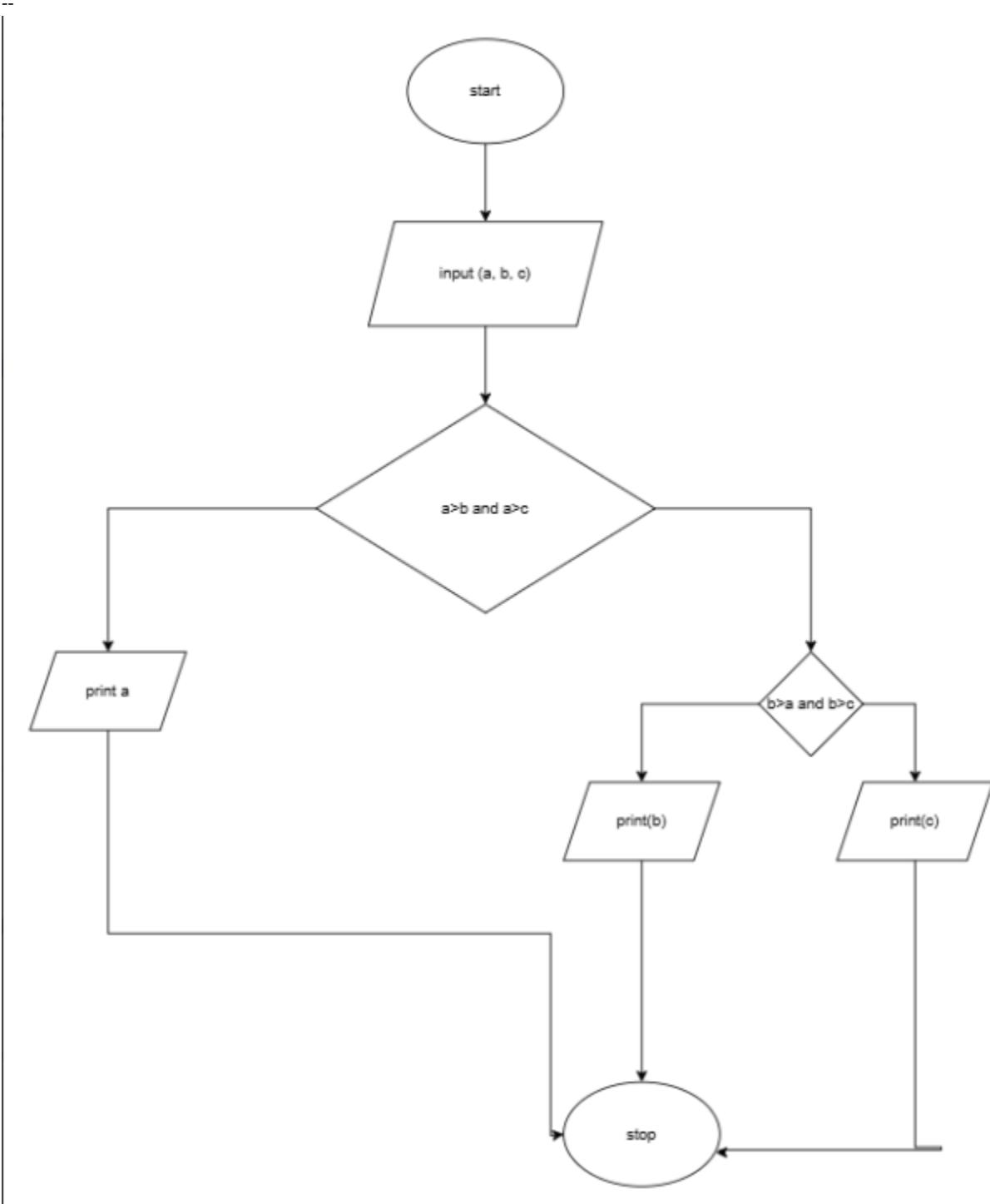
Step 4 : $b > a$ and $b > c$

Step 5 : Stop

B) Python Code :

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

C) Flowchart :



D) Execution:

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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

```
1 a = int(input())
2 b = int(input())
3 c = int(input())
4 if a>b and a>c:
5     print(a)
6 elif b>a and b>c:
7     print(b)
8 else:
9     print(c)
```

Average time: **0.018 s** Maximum time: **0.024 s**

18.25 ms 24.00 ms

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

Test case 1 (24 ms)
Expected output: 5, 6, 7
Actual output: 5, 6, 7

Test case 2 (4 ms)

Terminal Test cases

< Prev Reset Submit Next >

Detailed description: This screenshot shows a Python programming environment on CodeTantra. The user has written a script to find the largest of three integers. The code uses a series of if statements to compare three variables (a, b, c) and print the largest one. Below the code editor, there's a performance summary showing average and maximum execution times. A section for 'Test cases' displays two examples where the expected output matches the actual output. At the bottom, there are navigation buttons for previous/next problems and submission controls.