

PPS 3.1.1

Algorithm: Find the Largest of Three Numbers

Step 1: Start

Begin the execution of the program.

Step 2: Input Phase

Read three integer values from the user and store them in variables:

- **Read value for a.**
- **Read value for b.**
- **Read value for c.**

Step 3: First Level Comparison

Check if a is greater than b ($a > b$):

- **If True: Move to Step 4 (Compare a and c).**
- **If False: Move to Step 5 (Compare b and c).**

Step 4: Branch A (a is currently the leader)

Check if a is greater than c ($a > c$):

- **If True: a is the largest.**
- **If False: c is the largest.**
- **Proceed to Step 6.**

Step 5: Branch B (b is currently the leader)

Check if b is greater than c ($b > c$):

- **If True: b is the largest.**
- **If False: c is the largest.**
- **Proceed to Step 6.**

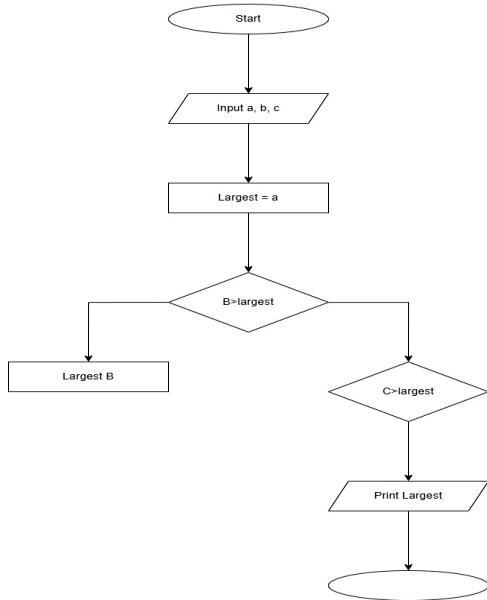
Step 6: Output Phase

Print the value determined to be the largest in the previous steps.

Step 7: Stop

End the program.

Flowchart:



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3.1. Largest of Three Numbers 01:56

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.

Explorer largestNu...
1 a = int(input())
2 b = int(input())
3 c = int(input())
4
5 largest = a
6 if b > largest: largest = b
7 if c > largest: largest = c
8 print(largest)

Average time: 0.015 s Maximum time: 0.016 s 14.50 ms 16.00 ms 2 out of 2 shown test case(s) passed 2 out of 2 hidden test case(s) passed

Test case 1 16 ms
Expected output: 5, 6, 7
Actual output: 5, 6, 7

Test case 2 16 ms
Terminal Test cases