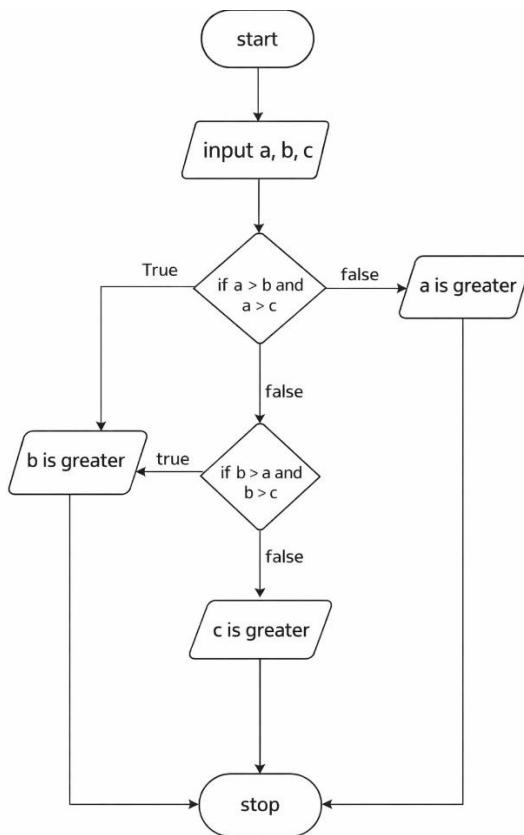


3.1.1. Largest of Three Numbers

ALGORITHM:

1. Start
2. Read the first integer a.
3. Read the second integer b.
4. Read the third integer c.
5. Find the largest number among a, b, and c.
6. Display the largest number.
7. Stop

FLOWCHART:



CODE:

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

CODETANTRA:

The screenshot shows the CodeTantra interface for a challenge titled "3.1.1. Largest of Three Numbers".

Problem Statement: 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.

Code Editor: The code editor contains the following Python script:

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

Performance Metrics: Average time: 0.015 s, Maximum time: 0.018 s, 14.50 ms, 18.00 ms.

Test Cases:

- Test case 1:** Expected output: 5, 6, 7; Actual output: 5, 6, 7. Status: Passed (18 ms).
- Test case 2:** Status: Passed (15 ms).

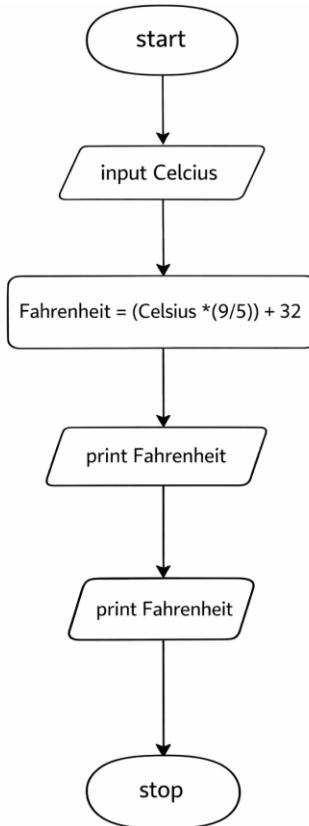
Buttons at the bottom: < Prev, Reset, Submit, Next >

3.1.2. Celsius to Fahrenheit

ALGORITHM:

- 1 Start
- 2 Read the temperature in Celsius as a floating-point number.
- 3 Convert the temperature to Fahrenheit using the formula:
- 4 $Fahrenheit = (Celsius \times \frac{9}{5}) + 32$
- 5 Display the temperature in Fahrenheit formatted to 2 decimal places.
- 6 Stop

FLOWCHART:



CODE:

```
celsius = float(input())  
fahrenheit = (celsius * 9/5) + 32  
print(f"{fahrenheit:.2f}")
```

CODETANTRA:

The screenshot shows the CodeTantra IDE interface. The left sidebar displays a problem statement titled "3.1.2. Celsius to Fahrenheit". It asks to write a Python program to convert temperature from Celsius to Fahrenheit. Below the statement are sections for "Formula", "Input Format", and "Output Format". The "Formula" section contains the equation $F = (C \times \frac{9}{5}) + 32$. The "Input Format" section states that a single line contains a float value representing the temperature in Celsius. The "Output Format" section specifies that the temperature in Fahrenheit should be printed as a float value formatted to 2 decimal places.

The right side of the interface shows the code editor with the following Python code:

```
1 celsius = float(input()) # Read temperature in Celsius
2 fahrenheit = (celsius * 9/5) + 32 # Convert to Fahrenheit
3 print(f"{fahrenheit:.2f}") # Print result formatted to 2 decimal places
```

Below the code editor, the results of the test cases are displayed. It shows 4 out of 4 shown test case(s) passed and 4 out of 4 hidden test case(s) passed. The test cases are as follows:

- Test case 1: Expected output 0.0, Actual output 0.0
- Test case 2: Expected output 32.00, Actual output 32.00
- Test case 3: Expected output 100.0, Actual output 100.0

At the bottom, there are buttons for "Reset", "Submit", and "Next >".