

3.1.1. Largest of Three Numbers

Algorithm: To Find the Largest of Three Numbers

Step 1: Start

Step 2: Read the values of a, b and c

Step 3: If $a \geq b$ and $a \geq c$, then print a

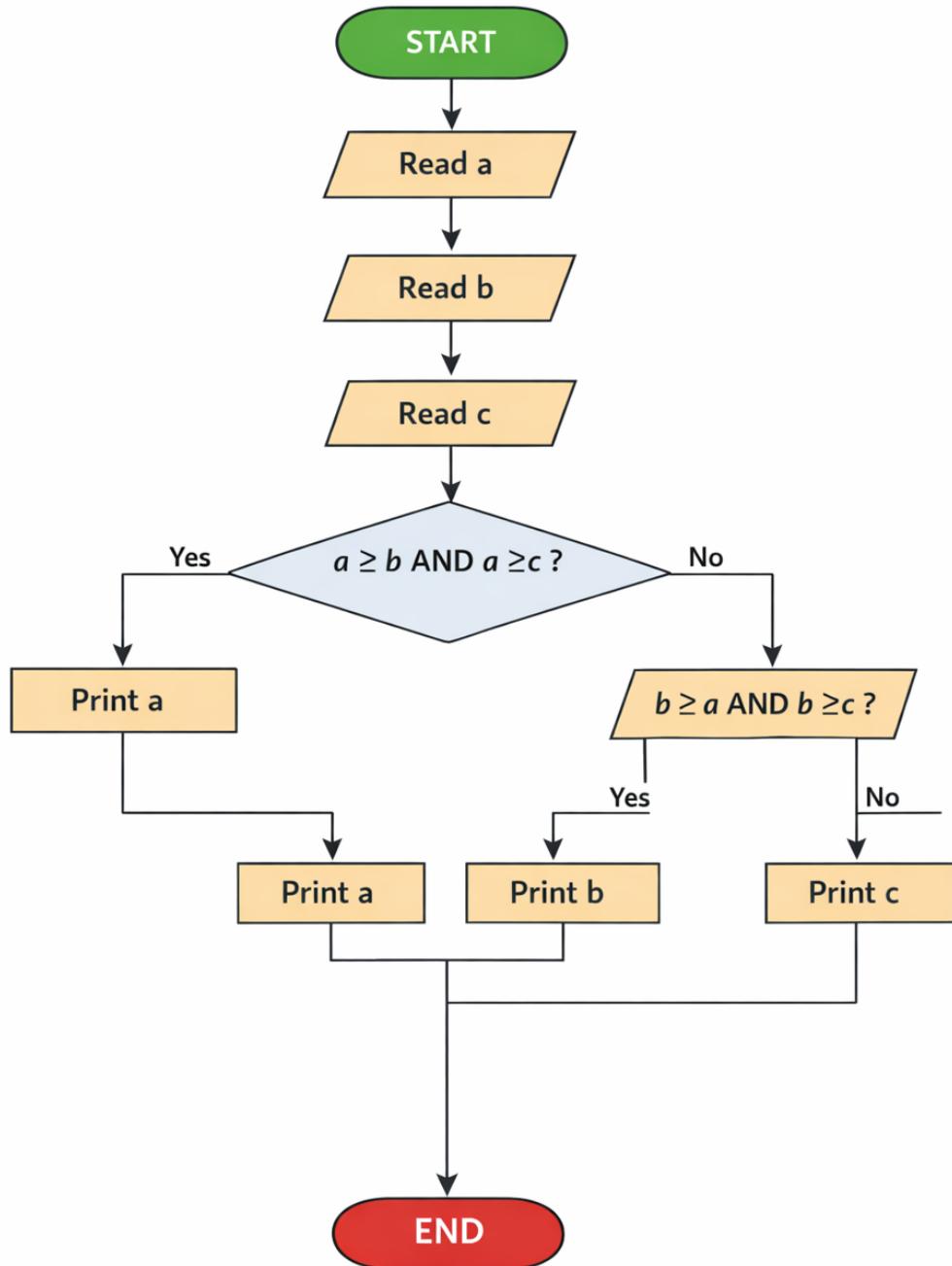
Step 4: Else if $b \geq a$ and $b \geq c$, then print b

Step 5: Else print c

Step 6: Stop

FLOWCHART

Largest of Three Numbers



The screenshot shows a web-based Python code editor on the Codetantra platform. The title bar indicates the user is on a course page. The main area displays a problem titled "3.1.1. Largest of Three Numbers". The problem description asks the user to write a Python program that prompts the user to enter three integers and prints the largest of the three integers. It specifies the input format (three integers on separate lines) and the output format (the largest integer). Below the description is a code editor window with the following 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)
```

At the bottom of the code editor, there are buttons for "Sample Test Cases" (with a plus sign), "Terminal", "Test cases", and navigation buttons ("< Prev", "Reset", "Submit", "Next >").

3.1.2. Celsius to Fahrenheit

ALGORITHM

Algorithm: To Convert Celsius to Fahrenheit

Step 1: Start

Step 2: Read the temperature in Celsius as a float value

Step 3: Calculate Fahrenheit using the formula

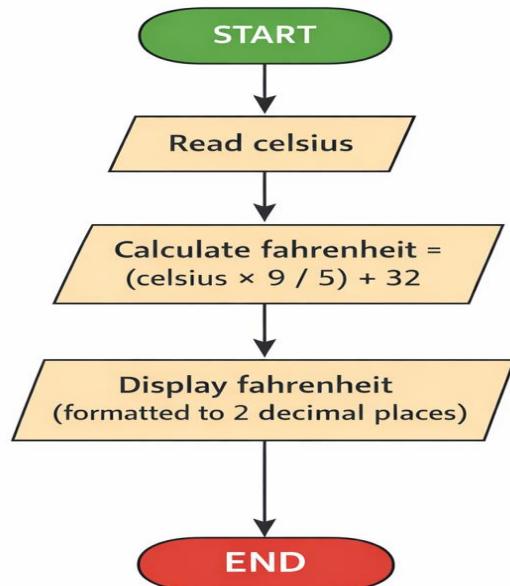
$$\text{Fahrenheit} = (\text{Celsius} \times 9 / 5) + 32$$

Step 4: Display the Fahrenheit temperature up to two decimal places

Step 5: Stop:-

FLOWCHART:-

Celsius to Fahrenheit Conversion



Screenshot of a Python code editor on CodeTantra. The title bar shows "3.1.2. Celsius to Fahrenheit". The code in the editor is:

```
# Read Celsius temperature as float
celsius = float(input())

# Convert to Fahrenheit
fahrenheit = (celsius * 9 / 5) + 32

# Print result formatted to 2 decimal places
print(f"{fahrenheit:.2f}")
```

The code reads a Celsius value from input, converts it to Fahrenheit using the formula $(\text{Celsius} \times \frac{9}{5}) + 32$, and prints the result with two decimal places.

