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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.**

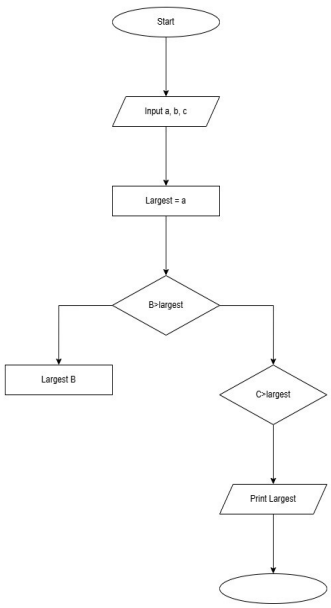
Step 6: Output Phase

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

Step 7: Stop

End the program.

Flowchart:

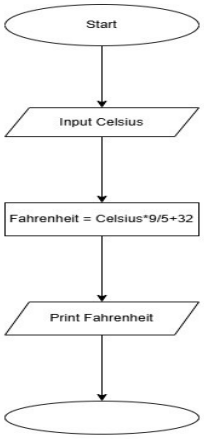


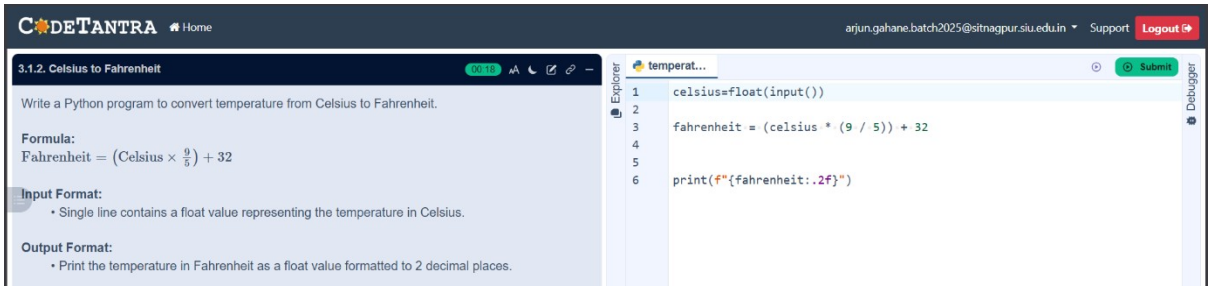
PPS 3.1.2

Algorithm for Celsius to Fahrenheit Conversion

1. **Start.**
2. **Input:** Read the temperature value in Celsius from the user.
3. **Process:** Convert the input string into a floating-point number (decimal).
4. **Calculate:** Apply the conversion formula:
    - Multiply the Celsius value by 1.8 (which is 9/5).
    - Add 32 to the result.
5. **Format:** Round the resulting Fahrenheit value to **two decimal places**.
6. **Output:** Display the formatted Fahrenheit value.
7. **End.**

Flowchart:


Start
Input Celsius
Fahrenheit = Celsius*9/5+32
Print Fahrenheit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Support
Logout
3.1.2. Celsius to Fahrenheit
00:18
Write a Python program to convert temperature from Celsius to Fahrenheit.
Formula:
$\text{Fahrenheit} = \left(\text{Celsius} \times \frac{9}{5}\right) + 32$
Input Format:
• Single line contains a float value representing the temperature in Celsius.
Output Format:
• Print the temperature in Fahrenheit as a float value formatted to 2 decimal places.
Explorer
temperat...
Submit
Debugger
1 celsius=float(input())
2
3 fahrenheit = (celsius * (9 / 5)) + 32
4
5
6 print(f"{fahrenheit:.2f}")