

3.1.2 Celsius to Fahrenheit

A) Alogrithm

Step 1: Start

Step 2: Read temperature in Celsius (a)

Step 3: Compute Fahrenheit = $(a \times 9/5) + 32$

Step 4: Display Fahrenheit temperature up to 2 decimal places

Step 5: Stop

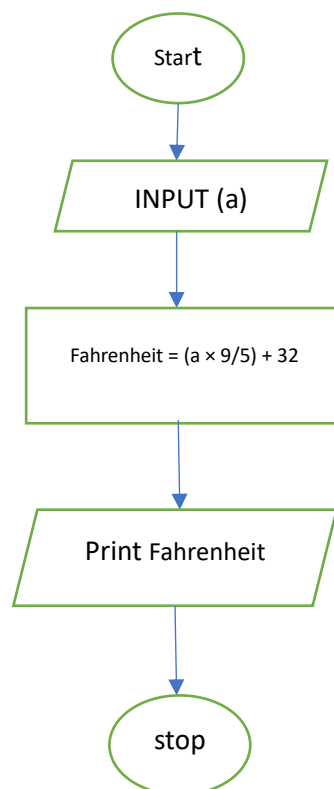
B) code

```
a=float(input())
```

```
fahrenheit = (a * 9/5) + 32
```

```
print(f"{fahrenheit:.2f}")
```

C) flowchart



D) output

The screenshot displays the CODETANTRA web application interface. The top navigation bar includes the logo, a home icon, the user's email (shreyash.girade.batch2025@sitnagpur.siu.edu.in), and links for Support and Logout.

The main content area is titled "3.1.2. Celsius to Fahrenheit" and contains the following instructions:

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.

At the bottom of the problem description, there is a button labeled "Sample Test Cases" with a plus icon.

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

```
1 a=float(input())
2 fahrenheit = (a * 9/5) + 32
3 print(f"{fahrenheit:.2f}")
4
```

Below the code editor, there are tabs for "Terminal" and "Test cases". A "Submit" button is located at the top right of the code editor area.