Programming Assignment 2-2

1. ## Problem definition

   The purpose of this program is to ask a user to input a temperature in Celsius; then convert it to Farenheit and output the value.

2. ## Input and Output
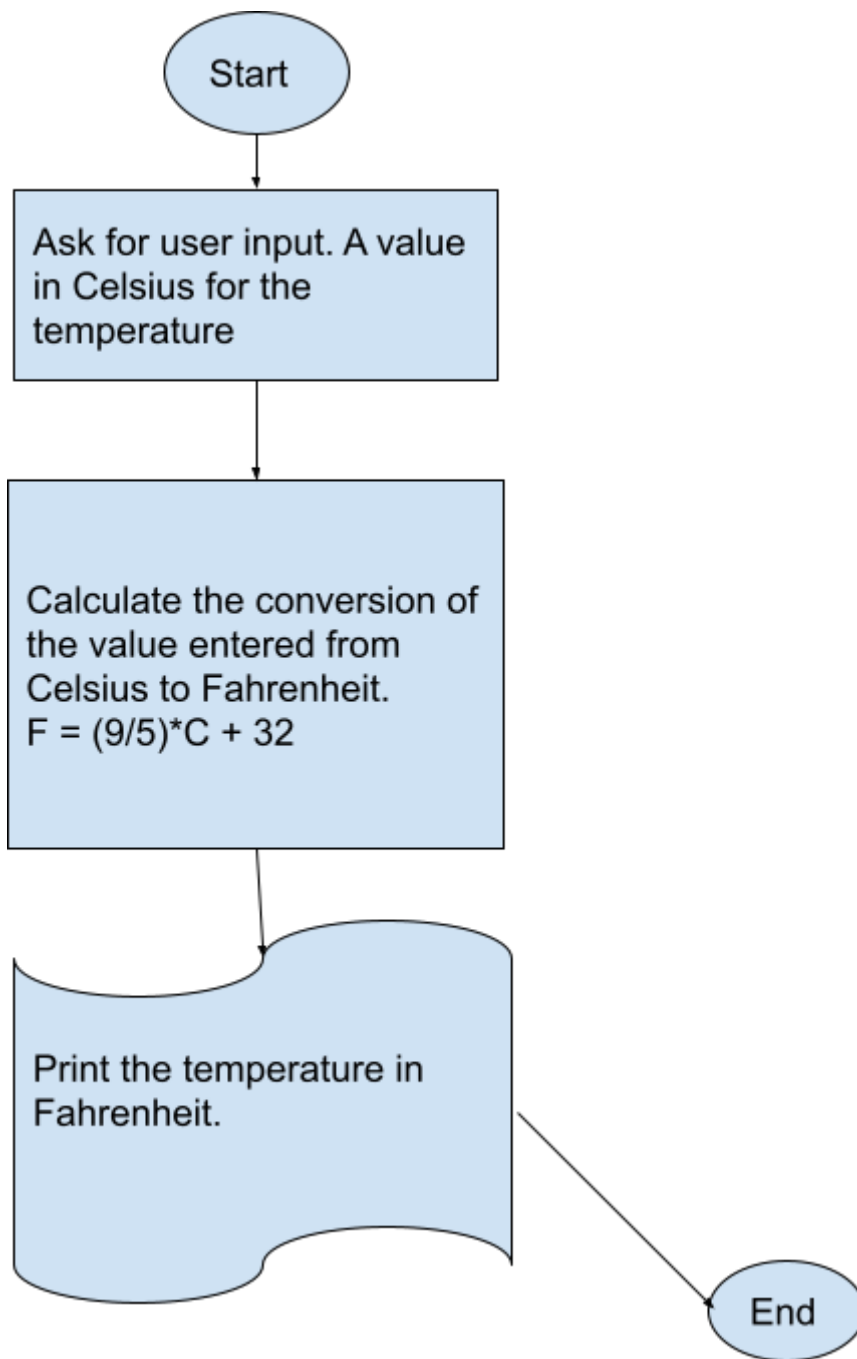
   Input: A number for the temperature in Celsius
   Output: The temperature in converted to Fahrenheit (two fractional values)

3. ## Variables

   C = user input for temperature in Celsius
   F = The temperature in C converted to Fahrenheit

4. Flow Chart

```
        ┌─────────┐
        │  Start  │
        └─────────┘
             │
             ▼
┌────────────────────────────┐
│ Ask for user input. A value│
│ in Celsius for the         │
│ temperature                │
└────────────────────────────┘
             │
             ▼
┌────────────────────────────┐
│                            │
│ Calculate the conversion of│
│ the value entered from     │
│ Celsius to Fahrenheit.     │
│ F = (9/5)*C + 32           │
│                            │
└────────────────────────────┘
             │
             ▼
┌────────────────────────────┐
│ Print the temperature in   │
│ Fahrenheit.                │
└────────────────────────────┘
                        \
                      ┌─────────┐
                      │   End   │
                      └─────────┘
```

5. Error and lessons

Error: Coding program so output shows decimal points (format string floating point numbers)

Lessons:
I can practice the string formats and for showing floating point numbers.