Code4

October 1, 2023

[1]:
```python
# Function to convert Celsius to Fahrenheit
def celsius_to_fahrenheit(celsius):
    fahrenheit = (celsius * 9/5) + 32
    return fahrenheit

# Function to convert Fahrenheit to Celsius
def fahrenheit_to_celsius(fahrenheit):
    celsius = (fahrenheit - 32) * 5/9
    return celsius

# Prompt the user to choose what measure to convert to
print("Choose the conversion direction:")
print("C - Celsius to Fahrenheit")
print("F - Fahrenheit to Celsius")

# Run the user's choice
while True:
    choice = input("Enter your choice: ")
    if choice.lower() in ['c', 'f']:
        break
    else:
        print("Invalid choice. Please enter 'C' or 'F'.")

# Prompt the user to enter the temperature
temperature = float(input("Enter the temperature: "))

# Function performs the conversion
if choice.lower() == 'c':
    converted_temperature = celsius_to_fahrenheit(temperature)
    print(f"{temperature} degrees Celsius is equal to {converted_temperature:.
 ↪1f} degrees Fahrenheit.")
else:
    converted_temperature = fahrenheit_to_celsius(temperature)
    print(f"{temperature} degrees Fahrenheit is equal to {converted_temperature:
 ↪.1f} degrees Celsius.")
```

```
Choose the conversion direction:
C - Celsius to Fahrenheit
```

```
F - Fahrenheit to Celsius

Enter your choice:  C
Enter the temperature:  36.5

36.5 degrees Celsius is equal to 97.7 degrees Fahrenheit.
```

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