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"""Assignment-1
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def convert temperature(temp, unit):
   Convert temperature between Celsius and Fahrenheit.
   Parameters:
   temp (float): The temperature value to convert.
   unit (str): 'F' if input is in Fahrenheit, 'C' if input is in Celsius.
   Returns:
   float: The converted temperature rounded to 2 decimal places.
   if unit.upper() == 'F':
        # Fahrenheit to Celsius
       converted = (temp - 32) * 5 / 9
   elif unit.upper() == 'C':
        # Celsius to Fahrenheit
        converted = (temp * 9 / 5) + 32
    else:
        raise ValueError ("Invalid unit! Use 'F' for Fahrenheit or 'C' for Celsius.")
   return round(converted, 2)
# --- Example Usage ---
if name == " main ":
   print("Temperature Converter")
   print("----")
   try:
        # Take user input
        temperature = float(input("Enter the temperature: "))
       unit = input("Enter the unit (F for Fahrenheit, C for Celsius): ")
        # Perform conversion
       result = convert temperature(temperature, unit)
        # Display result
        if unit.upper() == 'F':
           print(f"{temperature}B°F is equal to {result}B°C")
       else:
           print(f"{temperature}B°C is equal to {result}B°F")
   except ValueError as e:
       print("Error:", e)
```

Output 1:

Output 2: