Temperature Conversion

Monday, December 13, 2021 3:19 PM

This is a basic temperature converter. We have used several operations that we explored before such as f-strings and arithmetic.

In [4]:
```
celsius = eval(input("What is the Celsius temperature? "))
fahrenheit = ((celsius * 9/5) + 32)
print(f"The temperature is {fahrenheit} degrees Fahrenheit")
```

Out[5]:
```
What is the Celsius temperature? 31
The temperature is 87.8 degrees Fahrenheit
```

We can also output temperature warnings to the recipient using if statements, see the example provided.

In [6]:
```
celsius = eval(input("What is the Celsius temperature? "))
fahrenheit = ((celsius * 9/5) + 32)
print(f"The temperature is {fahrenheit} degrees Fahrenheit")
if fahrenheit > 90:
    print(f"The temperature is {fahrenheit} degrees Fahrenheit, please drink plenty of fluids!")
if fahrenheit < 30:
    print(f"The temperature is {fahrenheit} degrees fahrenheit, please dress warmly!")
```

Out[7]:
```
What is the Celsius temperature? 35
The temperature is 95.0 degrees Fahrenheit
The temperature is 95.0 degrees Fahrenheit, please drink plenty of fluids!
```

Here we have an if statement that checks for the conditions that the temperature is either over 90 or less than 30 and outputs the appropriate response to the user.