

Converting Units using Python

This exercise practises using user input and converting units to something else.

Write code that asks a user for a weight and whether they want to convert kilograms (kg) to pounds (lb) or pounds to kilograms. (There are 2.2062 pounds in 1 Kg). Round the answer to 2 decimal places.

```
weight = float(input("Enter the weight of your item: "))
unit = input("Enter the unit of your item (K or P): ")

if unit == "K":
    result = round(weight * 2.2062, 2)
    print(f"A {weight}kg item weighs {result} pounds.")
elif unit == "P":
    result = round(weight / 2.2062, 2)
    print(f"A {weight}lb item weighs {result} kgs.")
else:
    print("Sorry, I can only convert between kilograms <-->
pounds.")
```

Exercise:

Write code to convert the temperature provided by a user from Fahrenheit to Celsius or Celsius to Fahrenheit. Round your answer to 1 decimal place.

[note: $^{\circ}\text{F} = ^{\circ}\text{C} \times (9/5) + 32$ and $^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times (5/9)$]