# Challenge - Conversion Functions

The object of this challenge is to create functions that can accept arguments and return values.

## Mild 🌶️

Create 3 functions from the following choices:

| Function | Input | Output |
|---|---|---|
| Temperature (°C to °F) | A number representing °C. | The converted value to °F. |
| Temperature (°F to °C) | A number representing °F. | The converted value to °C. |
| Distance (m to ft) | A number representing distance in m. | The converted value to ft. |
| Distance (ft to m) | A number representing distance in ft. | The converted value to m. |
| Mass (kg to lb) | A number representing mass in kg. | The converted value to lb. |
| Mass (lb to kg) | A number representing mass in lb. | The converted value to kg. |

Then create a program that satisfies the following requirements:

- For each function you created:
  - The user provides an input.
  - The program uses your function to convert the value.
  - The program outputs a message displaying:
    - The original input number and its units.
    - The converted value and its units.

## Medium 🌶️🌶️

Create 2 functions from the following choices:

| Function | Input | Output |
|---|---|---|
| Temperature (°C to °F) | A number representing °C. | The converted value to °F. |
| Temperature (°F to °C) | A number representing °F. | The converted value to °C. |
| Distance (m to ft) | A number representing distance in m. | The converted value to ft. |
| Distance (ft to m) | A number representing distance in ft. | The converted value to m. |
| Mass (kg to lb) | A number representing mass in kg. | The converted value to lb. |
| Mass (lb to kg) | A number representing mass in lb. | The converted value to kg. |

For each of your functions create 3 tests using `pytest`:

- Each function must have at least one test that `asserts` that 2 values are equal.
- Each function must have at least one test that `asserts` that 2 values are not equal.

Then create a program that satisfies the following requirements:

- For each function you created:
  - The user provides an input.
  - The program uses your function to convert the value.
  - The program outputs a message displaying:
    - The original input number and its units.
    - The converted value and its units.

## Spicy 🌶️🌶️🌶️

Create 4 functions from the following choices:

| Function | Input | Output |
|---|---|---|
| Temperature (°C to °F) | A number representing °C. | The converted value to °F. |
| Temperature (°F to °C) | A number representing °F. | The converted value to °C. |
| Distance (m to ft) | A number representing distance in m. | The converted value to ft. |
| Distance (ft to m) | A number representing distance in ft. | The converted value to m. |
| Mass (kg to lb) | A number representing mass in kg. | The converted value to lb. |
| Mass (lb to kg) | A number representing mass in lb. | The converted value to kg. |

For each of your functions create 3 tests using `pytest`:

- Each function must have at least one test that `asserts` that 2 values are equal.
- Each function must have at least one test that `asserts` that 2 values are not equal.

Then create a program that satisfies the following requirements:

- For each function you created:
  - The user provides an input.
  - The program uses your function to convert the value.
  - The program outputs a message displaying:
    - The original input number and its units.
    - The converted value and its units.