

Purpose: ask for inputs from the user and display the output

Learning outcomes: 1 and 2

Time: submit before 5pm Friday of Week 3.

Resources: MyLO: lecture notes and tutorial materials

Task:

Write a program that converts Fahrenheit temperatures (F) to Celsius temperatures (C) as well as Kelvin temperatures (K). The formulas are as follows:

$$F = (9 \div 5) \times C + 32$$

$$K = C + 273.15$$

The program should ask the user to enter a temperature in Fahrenheit (HINT: use the **input** function), and then display the temperatures converted to Celsius and Kelvin.

Submission Details

Upload the following to the MyLO submission folder for this task:

1. The source file
2. The screenshot of the Python shell window that shows the execution results of the source code.

Assessment Criteria

A completed submission will:

1. Include comments about the program purpose and the author of the program (your name)
2. Declare variables and assign initial values at the start of the program
3. Use meaningful names for variables, starting with a lower case.
4. Ask the user to enter a temperature in Fahrenheit.
5. Calculate the Celsius and Kelvin temperatures correctly.
6. Display the resulting information properly i.e. with suitable messages and values to make the output meaningful.
7. Submit both the source file and the screenshot.