Lab 4

You can download the Python file Lab4-Exercises.py and write your lines of code under each instructional comment.

1) Take a screenshot of the outputs AND the python script of the exercise and name the files as "yourname_cs110_lab4" and submit to Canvas.
2) Save the editor/python file as yourname_cs110_lab4.py and submit it to Canvas.

[5 pts] Exercise 1 - Fahrenheit to Celsius

1. Ask the user to enter today's temperature in degrees Fahrenheit. (Make sure it's an integer)
2. Convert Fahrenheit to Celsius using the formula C = (5/9) * (F - 32)
3. Display the conversion result using an f-string (make sure to round to the nearest whole number)

[5 pts] Exercise 2 - Highs & Lows

1. Ask the user to enter the highest and lowest temperature in Fahrenheit for Thursday 9/25. (Make sure it's an integer.)
2. Convert the inputs into Celsius.
3. Display the results in Celsius using an f-string.

[10 pts] Exercise 3 - Checking the temperature conversion

1. Ask the user to re-enter the high and low Celsius values they obtained from Exercise 2 (make sure it's a float).
2. Convert the Celsius temperatures back to Fahrenheit using the formula
   F = (9/5) * C + 32
3. Calculate the differences between the original F. temperatures (Exercise 2 inputs) and the converted F. temperatures.
4. Round the differences to two decimal places.
5. Display the differences using f-strings - they should be 0.0.