## CSC365 Script Languages - Chapter 3 Assignment - Temp Calc

Start your program by using the book's solutions\ch03\future\_value.py code.

Write a temperature calculator:

c = (f - 32) \* 5 / 9  
f = c \* 9 / 5 + 32

* Validate all user's input (using min & max values for all numeric input)
  + convert fahrenheit or celsius
  + the starting and stopping temperation degrees
  + the step in degree value
  + optionally try-except
* Use a FOR loop to display the convertion table
* Use a WHILE loop to all the user the ability to display multiple convertion tables
* Use f-string to align input and output for a friendly UI experience
* Use meaningful variable names
* Make sure PyCharm isn't reporting any warnings
* 30% of your code should be documented including a program header:
  + programmer name
  + date written
  + description
  + GitHub repository URL (I should already be added to your class repository)
* How to submit the assignment:
  + Attach the following files to your assignment:
    - Python module (temp\_calc.py program)
    - Text file of your console output (temp\_calc.txt)
  + Assignment reflection in the comment area the Good, Bad, and Ugly

Help with try-except: [https://www.w3resource.com/python-exercises/python-basic-exercise-113.php (Links to an external site.)](https://www.w3resource.com/python-exercises/python-basic-exercise-113.php)

Help with f-string:

* [https://realpython.com/python-f-strings/  (Links to an external site.)](https://realpython.com/python-f-strings/)
* [https://miguendes.me/73-examples-to-help-you-master-pythons-f-strings  (Links to an external site.)](https://miguendes.me/73-examples-to-help-you-master-pythons-f-strings)
* [https://www.30secondsofcode.org/articles/s/6-python-f-strings-tips (Links to an external site.)](https://www.30secondsofcode.org/articles/s/6-python-f-strings-tips)
* <https://datagy.io/python-f-strings/>