

Please check the example codes in class before working on the following questions.

Q1: write a program that takes input from user by keyboard

Make a program that (i) asks the user for a temperature in Fahrenheit degrees and reads the number; (ii) computes the corresponding temperature in Celsius degrees; and (iii) prints out the temperature in the Celsius scale. Name of program file: f2c_qa1.py

Q2: take input from command line using sys.argv

Make a program that reads a temperature in Fahrenheit degrees from command line using sys.argv approach; (ii) computes the corresponding temperature in Celsius degrees; and (iii) prints out the temperature in the Celsius scale. Name of program file: f2c_qa2.py

test your program by running it from terminal window: `python f2c_qa2.py 25`

Q3: take input from command line using argparse

Make a program that reads a temperature in Fahrenheit Degree or Celsius degree from command line using argparse module and convert to Celsius or Fahrenheit correspondingly. The program should be able to run as below

`python tempconvert.py -f 100` this should read the temperature in Fahrenheit and the program should compute the corresponding temperature in Celsius degrees and print it out as:

input: 100 degree(F)
output: 37.77 degree(C)

when you run the program as:

`python tempconvert.py -c 100` this should read the temperature in Celsius and the program should compute the corresponding temperature in Fahrenheit degrees and print it out as:

input: 100 degree(C)
output: 212 degree(F)