

## Episode 5 Homework

1. Write a function that converts from degrees Celsius to degrees Fahrenheit. Call it C2F. Use it in a program that creates a list of temperatures from -40 to 100 in increments of 10. For each element of the list, print the Celsius temperature and then the Fahrenheit equivalent.
2. Write a function that converts weight in pounds to weight in kilograms. Look up the correct conversion factor, do not use an approximation.
3. Write a function that converts height in inches to height in meters. Look up the correct conversion factor.
4. Write a function that computes Body Mass Index (BMI) given a height in meters and a weight in kilograms. The formula is  $wt/ht^2$
5. Use your functions 2-4 to write a program that prints the BMI given a height in inches and a weight in pounds. Print the result for a person of height 66 inches and weight 152 pounds.