

6. Define a function *convertFC* that takes a Fahrenheit measurement and converts it to a Celsius measurement where:

$$\text{Celsius} = (\text{Fahrenheit} - 32) \cdot 5/9$$

7. Define a function *convertFCList* that takes a list of Fahrenheit measurements and converts them to a list of Celsius measurements where:

$$\text{Celsius} = (\text{Fahrenheit} - 32) \cdot 5/9$$

8. Define the function *inRange?* that takes a low value, a high value and a number and returns true, #t, if the number falls within the low to high range (inclusively); and false otherwise.

9. Define the function *filterList* that takes a low value, a high value and a list and produces a list of the values in the original list which fall within the low to high range (inclusively).

10. Define a function *eliminateExpList* (for eliminate expensive) which takes a maximum price and a list of prices. It returns the list of prices with those prices that exceed the maximum removed. (You can assume all prices are positive.)