

Python Exercise

Let's spend 5 minutes on this exercise. You can use the comment box below to share your code with others. When you're done, come back and see my solution.

The code is in Python, a case-sensitive language. So, we need to convert a given string to uppercase. Earlier, we talked about string methods. We can see all the available functions or methods in a string object by typing dot. We use the upper method to convert the string to uppercase, which returns a new string.

If the given string includes a lowercase "k", we should convert the weight to pounds and print it on a terminal. We declare a variable called "converted," get the weight, divide it by 0.45 to convert it to pounds, and print the weight in pounds. To terminate this block, we add "is" and concatenate it with "converted."

If the "k" condition is not true, that means the weight was entered in pounds. To convert it to kilograms, we declare a variable called "converted," set it to weight times 0.45, and print the weight in kilograms. To terminate this block, we add "in kilograms" and concatenate it with "converted."

While Loops in Python

In Python, we use while loops to repeat a block of code multiple times. We can use this to print the numbers 1 to 1 million times in Python. But, writing 1 million lines of code isn't a good approach. We can use a while loop and print the numbers using a loop instead.

In every iteration of the loop, the value of "i" is incremented by one. We can use the multiplication operator to repeat a string based on the value of a number in Python, but we can't concatenate a number to a string. In this case, we multiply a number by a string to repeat that string. We see one extra asterisk in every iteration.