

First Code Block

First, the code creates the object `nulls`, which is an array of Integers containing 4 0's. Second, it reads in lines from the file with the name `filename`. For each line in that file, it splits that string via the delimiter “,” as many times as possible because the second argument is a non-positive number, and assigns those strings the object `toks`. Then for every integer in the range `[0, length of toks)` if the string at that index of `toks` is an empty string it adds 1 to the Integer at that index of the array `nulls`. Then after all the for-loops complete, it prints off all the values in `nulls` separated by a comma.

Second Code Block

First, the code creates the object `nulls`, which is an array of Strings containing all the lines from the file with the name `filename`. Then the code maps across the array `nulls` and splits that each string via the delimiter “,” as many times as possible because the second argument is a non-positive number. Then the code maps across that inner array of split strings if the string is an empty string it converts that entry in the array to 1 if not 0. Then it reduces those inner arrays by adding all the values in those inner arrays to one number. So in the end `nulls` is an array of numbers, the same length as it was at first, where each entry is the number of empty strings in that line from the file after being split by the delimiter “,”. Then it prints off all the values in `nulls` separated by a comma.

Therefore both code blocks do the same thing.