

Lab 2

30 Aug 2019

First, finish up `count_words.py` (from Lab 1) if you haven't already.

Then, write test cases for each of the following functions, and *then* write the functions themselves:

- `any_vowels` determines whether a given string contains any vowels
- `all_caps` determines whether a given string is all-caps (i.e. the letters it contains, if any, are uppercase)
- `count_spaces` counts the number of characters in a given string that are spaces
- `is_prime` determines whether a given whole number is prime
- `countdown` produces a string with a space-separated countdown from a given positive integer, terminating in the word “blastoff” when the countdown gets to zero

In each case, write the version that requires you to write a loop to do the work, at least at first. (A few of them have short or even trivial implementations if you find the right library call! Once you've done the loop version, feel free to look around for more concise ways to do it.)