

Assignment 6

due 14 November 2019

Write definitions for each of the following Python functions, and for each function, include a clear and concise comment to describe its purpose. Store all the function definitions in a single file named `a6.py`.

1. Write a Python function `to_english(n)` that takes a positive integer value ‘n’ and that returns a string containing the number expressed in English words. For example, if ‘n’ is 142, then the function should return the string “one hundred and forty-two”. Assume that ‘n’ is less than 1000.
2. Two words are anagrams if they contain the same letters, but in a different order. For example, “evil” and “live” are anagrams because they each contain one copy each of the letters ‘e’, ‘i’, ‘l’ and ‘v’. This idea can be extended to multi-word strings when capitalization, punctuation and spaces are ignored. For example “William Shakespeare” and “I am a weakish speller” are also anagrams. Write a Python function `anagrams(s1, s2)` that takes two strings and returns True if those strings are anagrams and False otherwise. Do not use Python’s sorting capabilities.