Practice Tutorial Sheet

CSE 101

September 13, 2018

Problem 1. Write a program that accepts a sentence and calculate the number of letters and digits. Suppose the following input is supplied to the program:
hello world! 123
Then, the output should be:
LETTERS 10 DIGITS 3

Problem 2. Write a version of a palindrome recognizer that also accepts phrase palindromes such as "Go hang a salami I'm a lasagna hog.", "Was it a rat I saw?", "Step on no pets", "Sit on a potato pan, Otis", "Lisa Bonet ate no basil", "Satan, oscillate my metallic sonatas", "I roamed under it as a tired nude Maori", "Rise to vote sir", or the exclamation "Dammit, I'm mad!".
Note that punctuation, capitalization, and spacing are usually ignored.

Problem 3. Write a program to check if two strings are anagrams of each other. [An anagram of a string is a string created by its letters, but not necessarily in the same order]
For eg, isAnagram(RAT,TRA) = True but isAnagram(BUILD,GREAT) = False