ISTA 350 Worksheet, 1/16/2020

Write a function called word_count that takes a string and a Boolean with a default value of True. If the Boolean is True, the function should ignore case when processing the string. The function returns a Series that has the words in the string as position labels in alphabetical order and the number of times that they occur as elements. Don't worry about punctuation.

Name:

Write a Boolean function called is_symmetric that takes a square DataFrame and returns True if its elements represent a symmetric matrix, False if not. Recall that a symmetric matrix is mirrored across the diagonal, i.e. $A = A^t$. An example of a symmetric matrix:

