

תרגיל 4:

Write a program that reads two strings and checks whether the two strings are composed of the same characters or not.

The program will print a suitable message whether they composed of the same characters or not.

If they do not composed of the same characters, the program will also print the first different character found.

For example:

- if the first string entered is: hghfdff
- and the second string is: hghfdff
- The output will be: "The strings are composed of the same characters."
- if the first string entered is: gfhdsghd
- and the second string is: hghfdff
- The output will be: "The first different character found is 's'"

תרגיל 5:

Pig Latin:

Write an application that encodes English language phrases into pig Latin. Pig Latin is a form of coded language often used for amusement. Many variations exist in the methods used to form pig Latin phrases.

For simplicity, use the following algorithm:

To translate each English word into a pig Latin word, place the first letter of the English word at the end of the word and add the letters "ay." Thus, the word "jump" becomes "umpjay," the word "the" becomes "hetay" and the word "computer" becomes "omputercay."

Blanks between words remain as blanks. Assume the following:

The English phrase consists of words separated by blanks, there are no punctuation marks and all words have two or more letters. Enable the user to input a sentence. Use techniques discussed in this chapter to divide the sentence into separate words.

Method GetPigLatin should translate a single word into pig Latin. Keep a running display of all the converted sentences in a text area.