

COP4342 - Fall 2018
Assignment 8
Word List

Objectives: Learn how to use the foreach control structure, hashes, the exists function, the length function, the keys function, the sort operator, and formatted output.

Instructions: Your assignment is to write a Perl program called *wordlist.pl* that reads in a list of words, one per line, from the diamond operator and writes the words in ASCII order to standard output. Along with each word, you should also write the number of times that it occurs.

Consider the following input:

```
This
is
a
list
of
words
that
is
contained
in
a
file
This
list
of
words
is
not
long
```

The output should be formatted as follows. Each line should first contain the word, where each word is printed in a right justified field that is as wide as the longest word encountered. Afterwards, print a colon and a blank. Next, print the number of times that the word was encountered as a four digit right justified field.

Below is the output of the program using the input above.

```
      This:      2
        a:      2
contained:      1
      file:      1
        in:      1
        is:      3
      list:      2
      long:      1
      not:      1
        of:      2
      that:      1
    words:      2
```

Submission: You should create a tar file formatted as 'Lastname_Firstname_Assignment8.tar' containing your *wordlist.pl* Perl program and submit the file through Canvas's 'Assignments' section **before** the beginning of class on 11/06/18. Sample command to put files in a tar file: `tar -cvf yourfile.tar inputfile1 inputfile2`. Sample command to extract the files from the tar file: `tar -xvf yourfile.tar`.