

COP4342 - 2006 Fall

Assignment 4

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 (i.e., case sensitive alphanum sorting) 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 space.

Next, print the number of times that the word was encountered as a four digit, zero-filled right-justified field. Below is the output of the program using the input above.

This: 0002
a: 0002
contained: 0001
file: 0001
in: 0001
is: 0003
list: 0002
long: 0001
not: 0001
of: 0002
that: 0001
words: 0002

Submission: Submit the `wordlist.pl` Perl program as an attachment in an e-mail message to `langley@cs.fsu.edu` before the beginning of class on Wednesday, October 11.