

findin.pl

Challenge

Description: Create a perl application called “findin.pl” using perl 5 that counts the lines a string occurs in for a set of strings.

Purpose: This challenge provides practice with writing perl programs that include getting command line arguments, opening files, reading lines from files, searching for strings in lines, and working with arrays and possibly associative arrays.

Requirements:

Name of application: findin.pl

Programming language: perl 5

The program findin.pl is to take the path to a text file as its first argument. The path argument is followed by one or more arguments that specify strings that are to be found on lines in the file. The program is to print each string followed by its count after reading and searching the lines of the file. If insufficient arguments are provided to the program, the program is to print a line that shows how the program is to be used.

For each string specified as an argument, the program is to count on how many lines in the text file that string occurs. If the string occurs multiple times in a line, it only counts as 1 occurrence since lines are being counted that contain the string not the number of times the string occurs in the file.

The findin.pl program is to include the shebang statement to point to perl.

[https://en.wikipedia.org/wiki/Shebang_\(Unix\)](https://en.wikipedia.org/wiki/Shebang_(Unix))

Example runs of application:

```
./findin.pl /path/to/file.txt login user test
login 25
user 12
test 312
```

```
./findin.pl
```

```
Usage: findin.pl <file_path> <string1> <string2> ...
```