

CSI 3336 Systems Programming
Homework 5

pwopt.sh

pwopt.sh (print with options) will present a more simple interface to print files with certain options. You will need to supply three separate printing profiles:

duplex: (long edge binding) - requires the duplex command parameter only

nUp: (with a border and top to bottom, left to right layout) - requires nUp command parameter and a number that represent the number of pages up.

copy: (with collate) - requires the copy command parameter and a number that represents the number of copies.

example calls:

```
pwopt.sh -duplex fileToPrint
```

```
pwopt.sh -nUp 4 fileToPrint
```

```
pwopt.sh -copy 2 fileToPrint
```

You are required to use lpr. Unfortunately, the man pages for lpr are not that helpful. You will need to find more information about lpr on the web. Here is a site that you may find helpful, <https://www.cups.org/documentation.php/doc-1.3/options.html>.

spell.sh

spell.sh will check the spelling of words passed as command-line parameters using the dictionary found in /usr/share/dict/words on our Linux machines. spell.sh should allow for an unknown number of parameters.

println.sh

println (print line) will take two parameters. The first parameter will specify the line number. The second parameter will specify the file. Your script will need to check that the file exists, check that the line exists, and print the specified line to stdout.

Put a copy of your shell scripts in your bin directory so you can run it whenever you want.