

CS344: Programming Languages

Homework 12: Scripting languages

Required Problems

- Write a shell script to replace blanks with underscores in the names of all files in the current directory.
 - Write a shell script to rename all files in the current directory by prepending to its name a textual representation of its last modification date.
 - Write a shell script called `pidof` which takes a name as parameter and returns the PID(s) of processes with that name.
2. Write a Perl, Python, or Ruby script to create a simple *concordance*: a sorted list of significant words appearing in an input document (which you will prompt the use for). In addition, create an associative array (or dictionary) to store the number of times the word appears in the document with each word, so that (for example) the command `print numtimes['Homework']` will print 2 for this document. Exclude from your list all common articles, conjunctions, prepositions, and pronouns.
3. **Extra Credit:** Consider the following regular expression in Perl:

```
/^(?:((?:ab)+)|a(?:ba)*)$/
```

Describe, in English, the set of strings in will match. Show a natural NFA for this set.