

Exercises in Scripting

CS2042 - UNIX Tools

October 22, 2008

Simple Exercises

Conditionals:

Write a script that takes the user's age as a parameter. If it is equal to or higher than 21, print a message saying that this user is allowed to drink alcohol. If the user's age is below 21, print a message telling the user how many years he or she has to wait before legally being allowed to drink.

Select and Case:

Write a script that takes one file as an argument. Use a select statement that presents the user with a couple of choices for compressing the file, then create the desired archive. Possible choices could be gzip, bzip2, compress and zip.

Less Simple Exercises

Conditionals & Awk

Write a script that takes exactly one argument, a directory name. If the number of arguments is more or less than one, print a usage message. If the argument is not a directory, print another message. For the given directory, print the five biggest files and the five files that were most recently modified.

Loops and File Manipulation

Delete the first 3 lines of each .tmp file in the current directory. (Note: Make sure you test this script in a safe place - you don't want to go deleting everything accidentally!)