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HPC Lab: Unix Shell Scripting Assignment

1 message

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1)Write a shell that takes a valid directory name as an argument and recursively descends all the subdirectories, finds the maximum length of any file in that hierarchy and writes this maximum value to the standard output.
2) Write a shell script that accepts a path name and creates all the components in that path name as directories. For example, if the script is named mpc, then command mpc a/b/c/d should create directories a, a/b, a/b/c, a/b/c/d.
3)Write a shell script that accepts two file names as arguments, checks if the permissions for these files are identical and if the permission are identical, output common permission and otherwise output each file name followed by its permissions.
4)Write a shell script which accepts valid log in names as arguments and prints their corresponding home directories, if no arguments are specified, print a suitable error message.
5)Write shell script to implement terminal locking
(similar to the lock command). It should prompt the user for a password. After accepting the password entered by the user, it must prompt again for the the matching password as confirmation and if match occurs, it must lock lock the keyword until a matching password is entered again by the user, Note that the script must be written to disregard BREAK, control-D. No time limit need be
implemented for the lock duration.
6) Create a script file called file-properties that reads a file name entered and outputs its properties.
7)Write a shell script that accepts one or more filenames as arguments and convert all of them to uppercase, provided they exist in the current directory.
8) Write a shell script that displays all the links to a file specified as the first argument to the script. The second argument, which is optional, can be used to specify in which the search is to begin. If this second argument is not present, the search is to begin in the current working directory. In either case, the starting directory as well as all its subdirectories at all levels
must be searched. The script need not include any error checking.

Regards,

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