

Scripting Challenges

Scenario 1:

Multi-level folder structure has multiple files with names length exceeding 32 characters. And folder names have spaces. Now build a script to rename all the files present to reduce the filename length less than 32 characters(including extension). No special characters should be present in new file names. new filenames must be unique.

Example input:-

/Folder one/Folder Two/The_Ulimate_guide-for-bash-scripting-guide-version1.txt

/Folder one/Folder Two/The_Ulimate_guide_&_ba\$h-scripting-guide-ver\$ion1.txt

/Folder one/Folder Two/TheUltimateguidefor_bashscriptingguideversion1.txt

Scenario 2:

Write a program, by running It will identify the existing running sessions of the same program and its input values. The recent program must ignore the input values already given for prior instance.

Example:- JOB1: @ 12PM I ran program.pl -i abc def ijk mno

JOB2: @12:15PM I ran program.pl -i abc pqr xyz (at this moment JOB1 is still running)

Expectation:- JOB2 should consider inputs pqr and xyz. Must ignore abc.

Scenario 3:

Read /etc/passwd file and classify and group the usernames with uid > 500 based on the user shell

Example input:-

```
infra01:x:1000:1000:WO0000002569482 - SAM infra01 Account:/home/infra01:/bin/bash
infra02:x:1001:1001:WO0000002569482 - SAM infra02 Account:/home/infra02:/bin/bash
unbound:x:995:991:Unbound DNS resolver:/etc/unbound:/sbin/nologin
tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:/dev/null:/sbin/nologin
ulamcdc:x:1005:1005:ULAM team account:/home/ulamcdc:/bin/csh
tie01:x:70005:70005:Account for AES TIE team:/home/tie01:/bin/csh
tio01:x:70006:70006:Account for AES TIO team:/home/tio01:/bin/ksh
jitu:x:70007:70007:Account for just in time access:/home/jitu:/bin/ksh
sos:x:70008:70008:Account for emergency access:/home/sos:/bin/ksh
app001:x:70009:70009:Account for application access:/home/app001:/bin/zsh
```

Expected Output:-

```
bash, infra01 infra02
nologin, unbound
csh, ulamcdc tie01
ksh, tio01 jitu sos
zsh, app001
```