# **Linux Assignment**

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Class: L1, B.Sc. Computer Science, 2023 - 2026

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📄 exam_backup — -zsh — 118×34
Last login: Wed Nov 15 17:09:28 on ttys001
[debojyotimishra@Debojyotis-MacBook-Pro ~ % pwd
/Users/debojyotimishra
[debojyotimishra@Debojyotis-MacBook-Pro ~ % ls | sort
Applications
Desktop
 Documents
 Downloads
 Library
 Movies
 Music
 Pictures
 Public
PycharmProjects
VirtualBox VMs
 bcs-algebra-1-student
 exam_backup
 micromamba
[debojyotimishra@Debojyotis-MacBook-Pro exam_backup % echo "This is my exam notes" > notes.txt
[debojyotimishra@Debojyotis-MacBook-Pro exam_backup % mv notes.txt exam_notes.txt
 [debojyotimishra@Debojyotis-MacBook-Pro exam_backup % cat exam_notes.txt
This is my exam notes
[debojyotimishra@Debojyotis-MacBook-Pro exam_backup % cat exam_notes.txt
[debojyotimishra@Debojyotis-MacBook-Pro exam_backup % echo 'I'\''m learning Linux!' >> exam_notes.txt
[debojyotimishra@Debojyotis-MacBook-Pro exam_backup % cat exam_notes.txt
This is my exam notes
I'm learning Linux!
debojyotimishra@Debojyotis-MacBook-Pro exam_backup %
```

```
phonebook — -zsh — 105×58
Last login: Wed Nov 15 17:48:36 on ttys001
[debojyotimishra@Debojyotis-MacBook-Pro ~ % pwd
/Users/debojyotimishra
[debojyotimishra@Debojyotis-MacBook-Pro ~ % mkdir phonebook
[debojyotimishra@Debojyotis-MacBook-Pro ~ % cd phonebook
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % pwd
/Users/debojyotimishra/phonebook
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % touch phonebook_file.txt
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % echo 'Laura!1987!Maceio' > phonebook_file.txt
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % echo 'Miguel!2022!JoaoPessoa' >> phonebook_file.txt
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % echo 'Azin!1990!Zahedan' >> phonebook_file.txt
debojyotimishra@Debojyotis-MacBook-Pro phonebook % echo 'Paula!1988!SaoPaulo' >> phonebook_file.txt
debojyotimishra@Debojyotis-MacBook-Pro phonebook % echo 'David!1989!Arcoverde' >> phonebook_file.txt
debojyotimishra@Debojyotis-MacBook-Pro phonebook % echo 'Luis!1984!Madrid' >> phonebook_file.txt
debojýotimishra@Debojýotis-MacBook-Pro phonebook % wc -m phonebook_file.txt
117 phonebook_file.txt
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % sort phonebook_file.txt
Azin!1990!Zahedan
David!1989!Arcoverde
Laura!1987!Maceio
Luis!1984!Madrid
Miguel!2022!JoaoPessoa
Paula!1988!SaoPaulo
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % sort -k2 -t '!' -n phonebook_file.txt
Luis!1984!Madrid
Laura!1987!Maceio
Paula!1988!SaoPaulo
David!1989!Arcoverde
Azin!1990!Zahedan
Miguel!2022!JoaoPessoa
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % cut -d '!' -f1 -f3 phonebook_file.txt
Laura!Maceio
Miguel!JoaoPessoa
Azin!Zahedan
Paula!SaoPaulo
David!Arcoverde
Luis!Madrid
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % tr '!' ':' < phonebook_file.txt
Laura:1987:Maceio
Miguel:2022:JoaoPessoa
Azin:1990:Zahedan
Paula:1988:SaoPaulo
David:1989:Arcoverde
Luis:1984:Madrid
[debojyotimishra@Debojyotis-MacBook-Pro phonebook % head -n 1 phonebook_file.txt
Laura!1987!Maceio
debojyotimishra@Debojyotis-MacBook-Pro phonebook % cut -d '!' -f3 phonebook_file.txt
Maceio
JoaoPessoa
Zahedan
SaoPaulo
Arcoverde
Madrid
debojyotimishra@Debojyotis-MacBook-Pro phonebook % tar -cvf phonebook_file.tar phonebook_file.txt
a phonebook_file.txt
debojyotimishra@Debojyotis-MacBook-Pro phonebook %
```



```
🔃 debojyotimishra — -zsh — 80×24
Last login: Thu Nov 16 09:37:28 on ttys003
debojyotimishra@Debojyotis-MacBook-Pro ~ % ps -e -o pid,comm,rss,%cpu | sort -k3
-nr | head -n 11
84282 /Applications/Py 871584
                               7.1
93970 /Applications/Go 397632
                               0.1
88513 /Applications/Go 292464
                               1.0
40911 /System/Applicat 250320
                              0.0
88236 /Applications/Go 246432
                              0.0
88220 /Applications/Go 218112
                               0.0
3071 /Applications/Mi 216992
                               0.0
93991 /Applications/Go 212640
                              1.1
80758 /Applications/No 183488 0.3
88175 /System/Applicat 183296 0.0
63059 /System/Applicat 183008 1.9
debojyotimishra@Debojyotis-MacBook-Pro ~ %
```