

LINUX Terminal Commands

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1 whoami
2 # zhangzixuan
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1 pwd
2 #zhangzixuan/desktop/bigdata_lab
3 cd .. # return the last directory
4 cd /file # go into the file in the bigdata_lab
5 mkdir bigdata_lab2 # make directory
6 touch file.txt
7 rm file.txt
8 rm -r bigdata_lab
9 curl -0
10 gshuf Live.csv
11 gshuf -n 10 Live.csv
12 head Live.csv
13 head-2 Live.csv
14
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```
1 ls
2 # list files and directories.
3 ls -l
4 # shows file or directory, size, modified date and time, file or folder name and owner of
  file and its permission.
5 ls = hl
6 # List Files with Human Readable Format with option -lh
7 ls - lh
8 #Get details of the files
9 #user - user group - owners  r, w , x
10 ls - F
11 #List Files and Directories with '/' Character at the end
12 ls - r
13 #List Files in Reverse Order
14 ls - ltr
15 #Reverse Output Order
16 ls -lS
17 #Sort Files by File Size
18
```

```
1 ssh -i name + username@ public DNS
2 Python -- version
3 #copy from my own machine
4 scp -i DAT.pem test.txt username@public DNS text.txt
5 #source copy command, change the file name
6 #Download a file :
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7 scp -i DAT.pem test.txt username@public DNS text.txt . # the . will go to the current
  directory
8 ls-al
9 chmod 600
10

1 # when we dont want to shuffle the header
2 head -1 # Get the first row
3 head -1 Live.csv -> header.csv
4 tail -n +2 # all rows except for the first row
5 | gshuf -n 100 > sample nohead.csv
6 tail -n +1 #
7 tail -n +3 #
8 cat header.csv sample - nohaed.csv > sample.csv
9 cat sample.csv | less
10
11 0 no permission
12 1 exe
13 2 write
14 ...
15 chmod 777 Live.csv
16 grep video Live.csv
17 grep photo Live.csv wc -l # find how many lines inside
18 grep -c photo live.csv
19
20 cut -d "," -f 2 Live.csv | less # f to identify each column or field
21 # How many unique rows do you have
22 uniq -d Live.csv # d means duplicate
23 uniq -d text.txt
24 # -d in cat is a delimiter
25 uniq -u text.txt
26 uniq -c text.txt
27 #tr for translation
28 cat text.txt | tr[:lower:][:upper:]
29 cat text.txt | [a-z][A-Z] # Works the same
30 cat Live.csv| tr -d " " # d means for delete
31 grep - help
32

```

list files and directories.