1)

etc/passwd not working on windows

2) move files from one folder to the respective folders.

bunny:Aditi$cd temp/

bunny:temp$ls

test

bunny:temp$ touch abc.txt def.txt ghi.txt jkl.txt

bunny:temp$ls

abc.txt def.txt ghi.txt jkl.txt test

bunny:temp$ mkdir abc def ghi jkl

bunny:temp$ls

abc/ abc.txt def/ def.txt ghi/ ghi.txt jkl/ jkl.txt test

bunny:temp$ mv abc.txt abc/

bunny:temp$ mv def.txt def/

bunny:temp$ mv ghi.txt ghi/

bunny:temp$ mv jkl.txt jkl/

bunny:temp$ls

abc/ def/ ghi/ jkl/ test

bunny:temp$

3)

$ touch abc.log.1 def.log.1 ghi.log.1 jkl.log.1 mno.log.1

$ ls

abc.log.1 data.csv ghi.log.1 linux\_chit\_sheet.pdf mno.log.1

access.log def.log.1 jkl.log.1 linux\_problem\_sheet.pdf README.md

bunny@bunny-PC MINGW64 ~/terminalcommands/aditi/linux-content (master)

$ ls \*.log.1

abc.log.1 def.log.1 ghi.log.1 jkl.log.1 mno.log.1

bunny@bunny-PC MINGW64 ~/terminalcommands/aditi/linux-content (master)

$ for file in ls \*.log.1; do basename= echo $file | awk -F . '{print $1}'; extensionname= echo $file | awk -F . '{print $2 "." $3}'; echo$basename "" $extensionname; done

ls

.

abc

log.1

def

log.1

ghi

log.1

jkl

log.1

mno

log.1

bunny@bunny-PC MINGW64 ~/terminalcommands/aditi/linux-content (master)

$ date +%d%m%y

120420

4) var/log not working for windows

5) Print Url

bunny:linux-content$ cat access.log

bunny:linux-content$ cat access.log | awk '{print $15}' | grep http\* | sort

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

http://cloudsystemnetworks.com)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

LinuxFirefox/62.0"

+http://www.google.com/bot.html)"

http://cloudsystemnetworks.com)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

http://cloudsystemnetworks.com)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)"

+http://www.google.com/bot.html)

bunny:linux-content$ cat access.log | awk '{print $15 "" $19}'| grep Http\* | sort

bunny:linux-content$cat access.log | awk '/http:\*/ {print $15}' | grep http\* | sort | wc -l

80

6) print IPs

bunny:linux-content$ cat access.log

bunny:linux-content$ cat access.log | awk '{print $1}' | sort | uniq -c | sort -n

7 10.56.44.4

9 10.56.34.4

40 10.56.46.2

168 10.56.5.2

186 10.56.9.3

213 10.56.10.2

214 10.56.3.4

242 10.56.4.2

251 10.56.22.3

261 10.56.0.3

283 10.56.1.3

285 10.56.6.4

323 10.56.21.2

345 10.56.19.3

383 10.56.2.2

bunny:linux-content$cat access.log | awk '{print $1}' | sort | uniq -c | sort -n | head

7 10.56.44.4

9 10.56.34.4

40 10.56.46.2

168 10.56.5.2

186 10.56.9.3

213 10.56.10.2

214 10.56.3.4

242 10.56.4.2

251 10.56.22.3

261 10.56.0.3

bunny:linux-content$ cat access.log | awk '{print $1}' | sort | uniq -c | sort -n | head -4

7 10.56.44.4

9 10.56.34.4

40 10.56.46.2

168 10.56.5.2

8) print response code

Cat access.log

bunny:linux-content$cat access.log | awk '{print $9}'| sort | uniq -c | sort -n

8 206

26 304

3176 200

bunny:linux-content$cat access.log | awk '{print $9}'| sort | uniq -c | sort -n | wc -l

3

9) check folder

10) $ ls

access.log data.csv linux\_chit\_sheet.pdf linux\_problem\_sheet.pdf README.md

#hello command not working on windows

11) set environment

bunny:Aditi$set $usersecret="dH34xJaa23"

bunny:Aditi$echo $usersecret

dH34xJaa24

or

used export

bunny:Aditi$export usersecret="dH34xJaa24"

bunny:Aditi$env

12) var/log file not working on windows

13) create process id

13) bunny@bunny-PC MINGW64 ~/terminalcommands

$ ps -e pid

PID PPID PGID WINPID TTY UID STIME COMMAND

646 610 646 4980 pty0 197608 14:11:04 /usr/bin/ps

609 1 609 1536 ? 197608 14:10:19 /usr/bin/mintty

610 609 610 4540 pty0 197608 14:10:19 /usr/bin/bash

bunny@bunny-PC MINGW64 ~/terminalcommands

$ ps -e pid, ppid, cmd, %mem, %cpu

PID PPID PGID WINPID TTY UID STIME COMMAND

650 610 650 2024 pty0 197608 14:11:53 /usr/bin/ps

609 1 609 1536 ? 197608 14:10:19 /usr/bin/mintty

610 609 610 4540 pty0 197608 14:10:19 /usr/bin/bash

14) Data analysis / manipulation(awk)

bunny:linux-content$ cat data.csv

Id EmployeeName JobTitle BasePay OvertimePay OtherPay TotalPay TotalPayBenefits

1 NATHANIEL GM 167411 0 400184 567595 567595

2 GARY CAPTAIN 155966 245131 137811 538909 538909

3 ALBERT CAPTAIN 212739 106088 16452 335279 335279

4 CHRISTOPHER MECHANIC 77916 56120 198306 332343 332343

5 PATRICK DEPUTYCHIEF 134401 9737 182234 326373 326373

6 DAVID ASSTDEPUTY 118602 8601 189082 316285 316285

7 ALSON BATTALIONCHIEF 92492 89062 134426 315981 315981

8 DAVID DEPUTYDIRECTOR 256576 0 51322 307899 307899

10 JOANNE CHIEF 285262 0 17115 302377 302377

12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608

13 EDWARD EXECUTIVE 294580 0 0 294580 294580

bunny:linux-content$ cat data.csv | awk '{print $2 " " $7}'

EmployeeName TotalPay

NATHANIEL 567595

GARY 538909

ALBERT 335279

CHRISTOPHER 332343

PATRICK 326373

DAVID 316285

ALSON 315981

DAVID 307899

JOANNE 302377

PATRICIA 297608

EDWARD 294580

i)

$ cat data.csv | awk '$4>10000' data.csv | awk '{print $2 " " $7}'

EmployeeName TotalPay

NATHANIEL 567595

GARY 538909

ALBERT 335279

CHRISTOPHER 332343

PATRICK 326373

DAVID 316285

ALSON 315981

DAVID 307899

JOANNE 302377

PATRICIA 297608

EDWARD 294580

a)

$ cat data.csv | awk '$4>10000' data.csv | awk '{print $0}'

Id EmployeeName JobTitle BasePay OvertimePay OtherPay TotalPay TotalPayBenefits

1 NATHANIEL GM 167411 0 400184 567595 567595

2 GARY CAPTAIN 155966 245131 137811 538909 538909

3 ALBERT CAPTAIN 212739 106088 16452 335279 335279

4 CHRISTOPHER MECHANIC 77916 56120 198306 332343 332343

5 PATRICK DEPUTYCHIEF 134401 9737 182234 326373 326373

6 DAVID ASSTDEPUTY 118602 8601 189082 316285 316285

7 ALSON BATTALIONCHIEF 92492 89062 134426 315981 315981

8 DAVID DEPUTYDIRECTOR 256576 0 51322 307899 307899

10 JOANNE CHIEF 285262 0 17115 302377 302377

12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608

13 EDWARD EXECUTIVE 294580 0 0 294580 294580

b)

bunny:linux-content$ cat data.csv | awk '{print $2 " " $7}'

EmployeeName TotalPay

NATHANIEL 567595

GARY 538909

ALBERT 335279

CHRISTOPHER 332343

PATRICK 326373

DAVID 316285

ALSON 315981

DAVID 307899

JOANNE 302377

PATRICIA 297608

EDWARD 294580

ii)

#AVG of Total pay whose job title CAPTAIN

bunny:linux-content$ cat data.csv | grep CAPTAIN | awk '{print $2 " " $7}'

GARY 538909

ALBERT 335279

PATRICIA 297608

bunny:linux-content$ cat data.csv | grep CAPTAIN | awk '{ sum+=$7 }END{ print sum}'

1171796

bunny:linux-content$ cat data.csv | grep CAPTAIN | awk '{ sum+=$7 }END{ print sum/NR}'

390599

1. Extract rows whose jobtitle CAPTAIN

$ cat data.csv | grep CAPTAIN

2 GARY CAPTAIN 155966 245131 137811 538909 538909

3 ALBERT CAPTAIN 212739 106088 16452 335279 335279

12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608

bunny@bunny-PC MINGW64 ~/terminalcommands/aditi/linux-content (master)

$ cat data.csv | grep CAPTAIN | awk '{print $0 "" $3}'

2 GARY CAPTAIN 155966 245131 137811 538909 538909CAPTAIN

3 ALBERT CAPTAIN 212739 106088 16452 335279 335279CAPTAIN

12 PATRICIA CAPTAIN 99722 87082 110804 297608 297608CAPTAIN

b)

$ cat data.csv | awk '{ sum+=$7 }END{ print sum }'

3935229

iii)

bunny:linux-content$ cat data.csv | awk '{print $3 " " $5}' JobTitle OvertimePay

GM 0

CAPTAIN 245131

CAPTAIN 106088

MECHANIC 56120

DEPUTYCHIEF 9737

ASSTDEPUTY 8601

BATTALIONCHIEF 89062

DEPUTYDIRECTOR 0

CHIEF 0

CAPTAIN 87082

EXECUTIVE 0

vi)#avg of basepay

bunny:linux-content$ cat data.csv | awk '{ sum+=$4 }END{ print sum}' 1895667

bunny:linux-content$ cat data.csv | awk '{ sum+=$4 }END{ print sum/NR}'

157972

#list of basepay

bunny:linux-content$ cat data.csv | awk '{ print $4}'

BasePay

167411

155966

212739

77916

134401

118602

92492

256576

285262

99722

294580

15)

bunny:Aditi$ diff -q linux-content/ temp/

Only in linux-content/: .git

Only in temp/: abc

Only in linux-content/: access.log

Only in linux-content/: data.csv

Only in temp/: def

Only in temp/: ghi

Only in temp/: jkl

Only in linux-content/: linux\_chit\_sheet.pdf

Only in linux-content/: linux\_problem\_sheet.pdf

Only in linux-content/: README.md

Only in temp/: test

bunny:Aditi$ mkdir original/ updated/

bunny:Aditi$ls

a/ abc.txt def/ Helloworld.class original/ test2

a.txt b/ def.txt Helloworld.java temp/ updated/

abc/ b.txt forloop.sh\* linux-content/ test1

bunny:Aditi$nano -T 3 original-file.sh

bunny:Aditi$nano -T 3 updated-file.sh

bunny:Aditi$ls

a/ b/ forloop.sh\* original/ test2

a.txt b.txt Helloworld.class original-file.sh updated/

abc/ def/ Helloworld.java temp/ updated-file.sh

abc.txt def.txt linux-content/ test1

bunny:Aditi$cp updated-file.sh updated/

bunny:Aditi$cp original-file.sh original/

bunny:Aditi$ls

a/ b/ forloop.sh\* original/ test2

a.txt b.txt Helloworld.class original-file.sh updated/

abc/ def/ Helloworld.java temp/ updated-file.sh

abc.txt def.txt linux-content/ test1

bunny:Aditi$cp original-file.sh original

bunny:Aditi$cp updated-file.sh updated

bunny:Aditi$ls

a/ b/ forloop.sh\* original/ test2

a.txt b.txt Helloworld.class original-file.sh updated/

abc/ def/ Helloworld.java temp/ updated-file.sh

abc.txt def.txt linux-content/ test1

bunny:Aditi$mv updated-file.sh updated

bunny:Aditi$mv original-file.sh original

bunny:Aditi$ls

a/ abc.txt def/ Helloworld.class original/ test2

a.txt b/ def.txt Helloworld.java temp/ updated/

abc/ b.txt forloop.sh\* linux-content/ test1

bunny:Aditi$ diff -d original/ updated/

Only in original/: original-file.sh

Only in updated/: updated-file.sh