## Find the difference between original file and the updated file. Apply changes to the original file.

a) Create two directories as "original" and "updated"

b) Copy given file 'original-file.sh' to the folder "original" and "updated-file.sh" to the folder "updated"

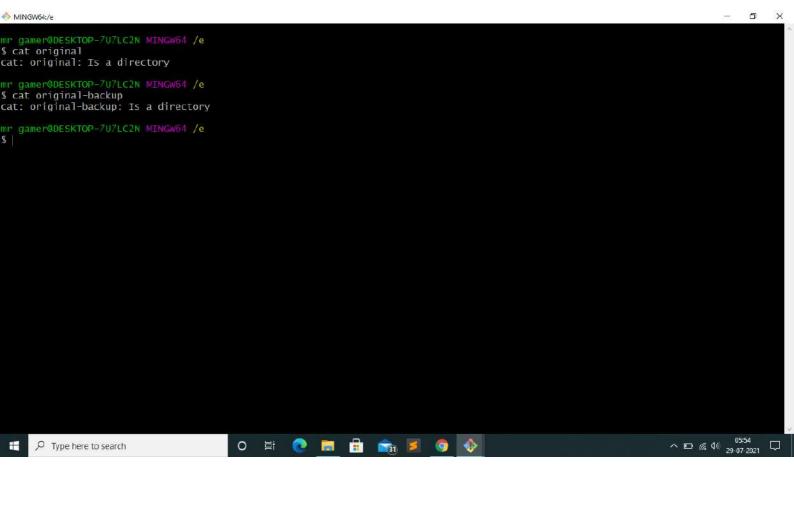
c) Find the difference between these directories using linux command

d) Make copy of folder "original" to some other directory as "original-backup" and apply changes to 'original-file.sh' file

e) Verify that both folders "updated" and "original-backup" have no difference.

```
mr gamer@DESKTOP-7U7LC2N MINGw64 /e
$ mkdir original updated
mr gamer@DESKTOP-7U7LC2N MINGW64 /e
$ ls
'$RECYCLE.BIN'/ awkto
                                              awkterm.sh
'$RECYCLE.BIN'/
-0
Folder_1/
Folder_2/
Folder_4/
Folder_5/
Folder_6/
'System Volume Information'/
                                              caseterm.sh
                                              manish1.txt
                                              manish2.csv
nestedif.sh
                                              original/
updated/
mr gamer@DESKTOP-7U7LC2N MINGW64 /e
$ cp -r original updated
mr gamer@DESKTOP-7U7LC2N MINGw64 /e
$ diff original updated
Only in updated: original
mr gamer@DESKTOP-7U7LC2N MINGW64 /e
$ mkdir original-backup
mr gamer@DESKTOP-7U7LC2N MINGW64 /e
$ cp -r original original-backup
mr gamer@DESKTOP-7U7LC2N MINGW64 /e
$ ls
'$RECYCLE.BIN'/ Folder_2/ Folder
                          Folder_2/ Folder_6/
Folder_4/ 'System Volume Information'/
Folder_5/ awkterm.sh
                                                                                           caseterm.sh
                                                                                                                    manish2.csv
                                                                                                                                         original-backup/
                                                                                                                    nestedif.sh
original/
                                                                                           manish1.txt
mr gamer@DESKTOP-7U7LC2N MINGW64 /e
$
                                                                                                                                                                              ヘロ偏砂 05:53 □
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### Data analysis / manipulation (Awk)

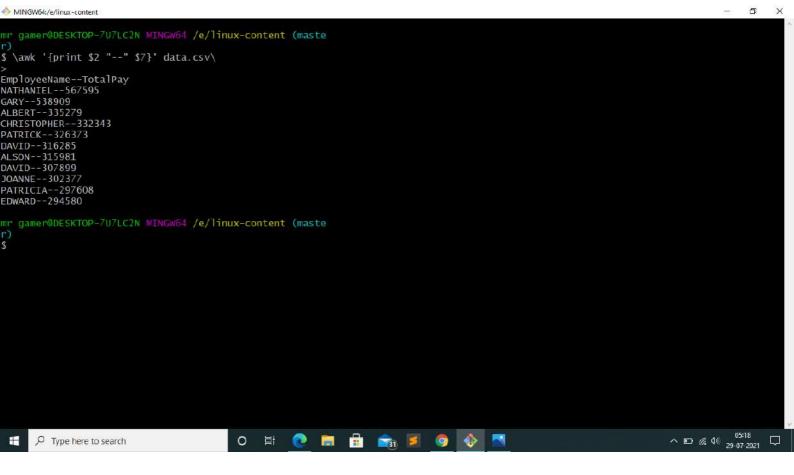
Id	Employee Nam	e Job Title	Base Pay	Overtime Pay	Other Pay	Total Pay	TotalPayBenefits
1	NATHANIEL	GM	167411	0	400184	567595	567595
2	GARY	CAPTAIN	155966	245131	137811	538909	538909
3	ALBERT	CAPTAIN	212739	106088	16452	335279	335279
4	CHRISTOPHER	MECHANIC	77916	56120	198306	332343	32343
5	PATRICK	<b>DEPUTY CHIEF</b>	134401	9737	182234	326373	326373
6	DAVID	ASST DEPUTY	118602	8601	189082	316285	316285
7	ALSON	<b>BATTALION CHIEF</b>	92492	89062	134426	315981	315981
8	DAVID	DEPUTY DIRECTOR	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

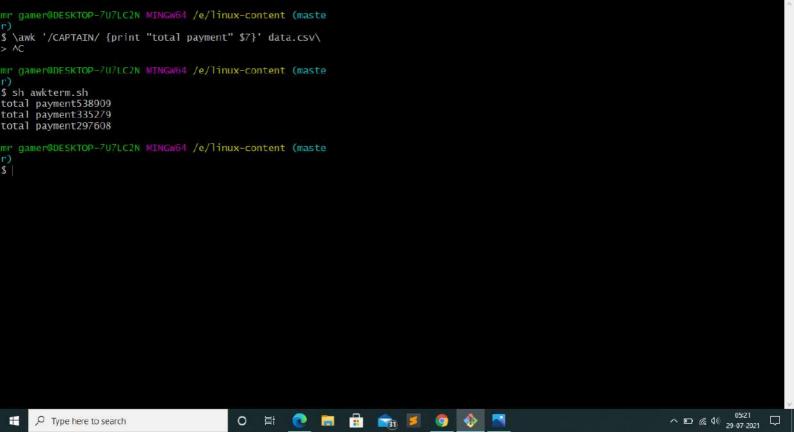
- i) Print EmployeeName and TotalPay who has BasePay greater than 10000
- a) Read data file 'data.csv' from command line and extract rows which have BasePay > 10000
- b) Print only EmployeeName and TotalPay
- ii) What is the aggregate TotalPay of employees whose jobtitle is 'CAPTAIN'
- a) Read data file 'data.csv' from command line and extract rows which have 'CAPTAIN' in the column 'jobtitle'
- b) Extract TotalPay and calculate sum. Print the result on terminal.
- iii) Print JobTitle and Overtimepay who has Overtimepay is between 7000 and 10000
- a) Read data file 'data.csv' from command line and extract jobtitle and overtimepay for column value range between 7000-10000
- b) Print the result on terminal.
- iv) Print average BasePay
- a)Read data file 'data.csv' from command line and extract BasePay values and calculate its average
- b)Print the result on terminal.

5

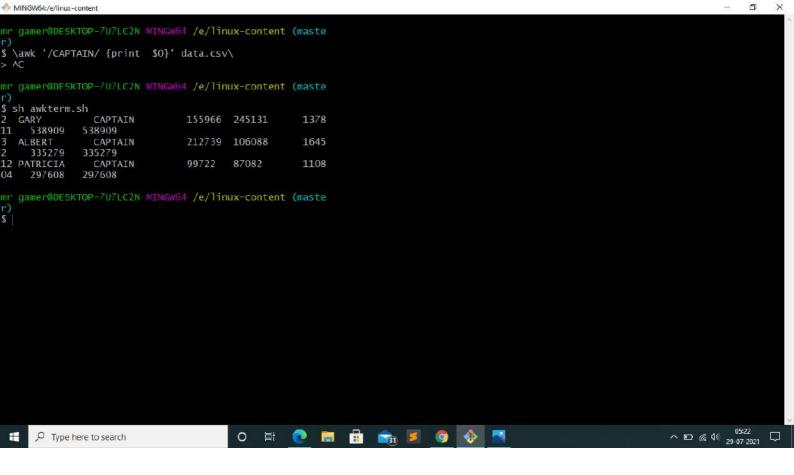
mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)
\$ \awk '\$4 > 10000 {print \$0}' data.csv\
> AC mr gamer@DESKTOP-7U7LC2N MTNGW64 /e/linux-content (master)
\$ sh awkterm.sh
Id EmployeeName JobTitle BasePay Ove
rtimePay OtherPay TotalPay TotalPayBenefits 1 NATHANIEL GM 400184 567595 567595 155966 245 167411 0 2 GARY 131 CAPTAIN 137811 538909 131 3 ALBERT 16452 212739 335279 77916 CAPTAIN 335279 106 088 16452 4 CHRISTOPHER 20 198306 5 PATRICK 7 182234 6 DAVID 1 189082 7 ALSON 62 134426 MECHANIC 561 332343 332343 134401 973 DEPUTYCHIEF 326373 118602 316285 326373 ASSTDEPUTY 316285 860 BATTALIONCHIEF 92492 890 315981 315981 DEPUTYDIRECTOR 256576 307899 307899 8 DAVID 51322 10 JOANNE 302377 99722 17115 12 PATRICIA CAPTAIN 870 82 110804 297608 297608 13 EDWARD 294580 0 294580 294580 mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)
\$ ji 💽 🛅 🔠 📚 🦻 🗞 🔼 Type here to search 0

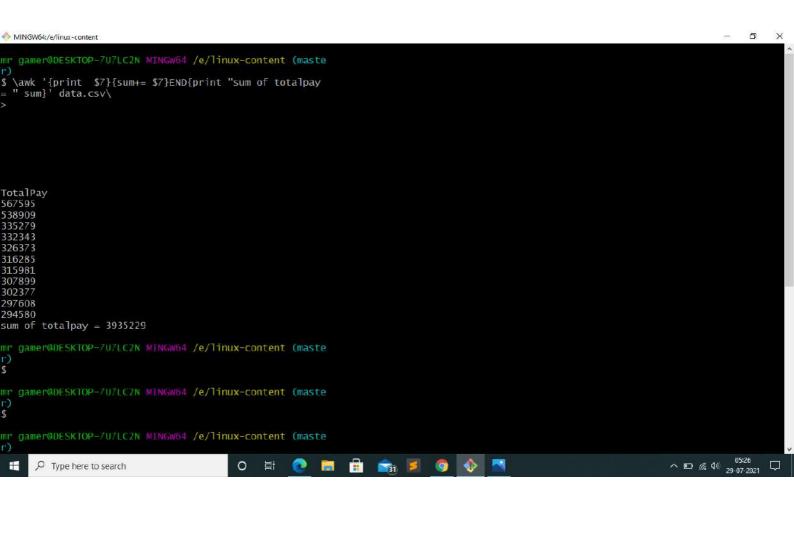
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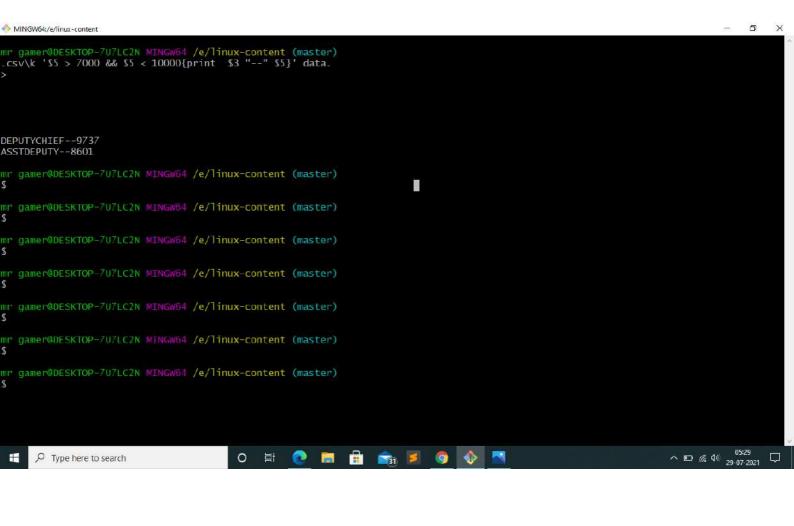




5







```
## pamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

## gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

## pamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

## pamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

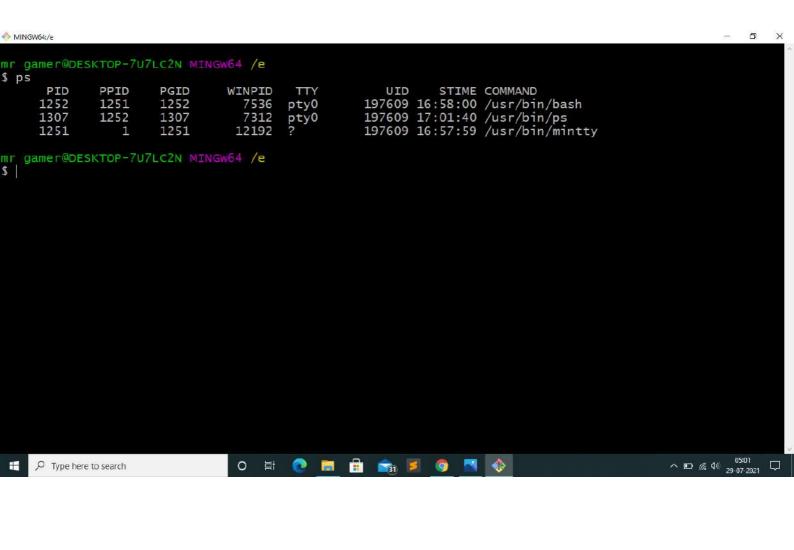
## pamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

## gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

## pamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)
```

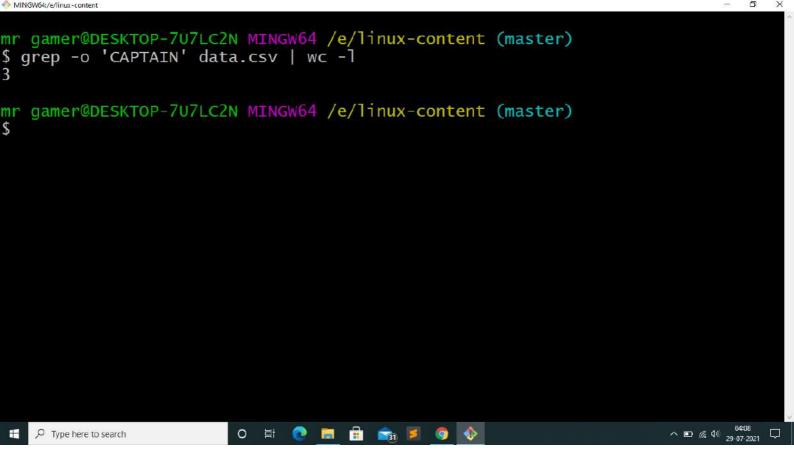
# Create process list table displays process id, parent process id, command name, % of memory consumption, % of cpu utilization

PID	PPID	CMD	%MEM	%CPU
760	1	/usr/bin/dockerd -H unix://	3.5	0.0
776	1	/usr/bin/containerd	0.7	0.1
7266	757	sshd: root@pts/0	0.6	0.0
759	1	/usr/sbin/rsyslogd -n	0.5	0.0
347	1	/usr/lib/systemd/systemd-jo	0.3	0.0
484	1	/usr/sbin/NetworkManager	0.3	0.0
1	0	/usr/lib/systemd/systemd	0.2	0.0
7268	7266	-bash	0.2	0.0
758	1	/usr/bin/python -Es /usr/sb	0.1	0.0



Find a word "systemd" from all log files in the folder /var/log and print
number of occurrence more than 0 against each file.
number of occurrence more than 0 against each file.  a) Use linux command to search word and print occurrence
number of occurrence more than 0 against each file.
number of occurrence more than 0 against each file.
number of occurrence more than 0 against each file.
number of occurrence more than 0 against each file.

a



# Set environment usersecret="dH34xJaa23" if its already not set

- a) Check whether environment variable usersecret assigned any value or not
- b) Print error if usersecret already set
- c) Set environment variable usersecret to given value.

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USERDOMAN-MCRASTOP-TUTICEN insteaded /e

Ferritary

USERDOMAN-MCRASTOP-TUTICEN

USERDOMAN-MCRASTOP-TUTICEN

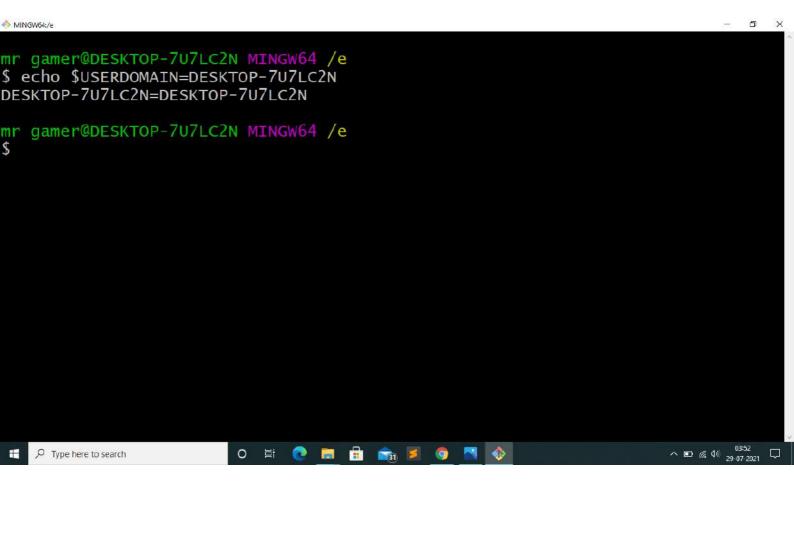
USERDOMAN-MCRASTOP-TUTICEN

USERDOMAN-MCRASTOP-TUTICEN

PROCESSOR LEVIL-9

PROCESSOR AMERITECTURE-PROCESSOR LEVIL-9

PROCESSOR REVISED LEVIL-



Execute command "hello" and "Is" and check its execution status and print whether command executed successful or not.

- a) Execute "hello" command at command prompt
- b) Check execution status of "hello" command
- c) Execute "Is" command at command prompt
- d) Check execution status of "Is" command

```
manish1.txt nestedif.sh
manish2.csv
                へ ■D 偏 Φi) 03:07 □
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♦ MINGW64:/e

# Check if a folder exists or not. If it's not present, create it a) Test if particular folder exists in current directory or not b) If its doesn't exists then create it else print "folder already exists.."

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♦ MINGW64:/e

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♦ MINGW64:/e

\$ touch manish2.csv

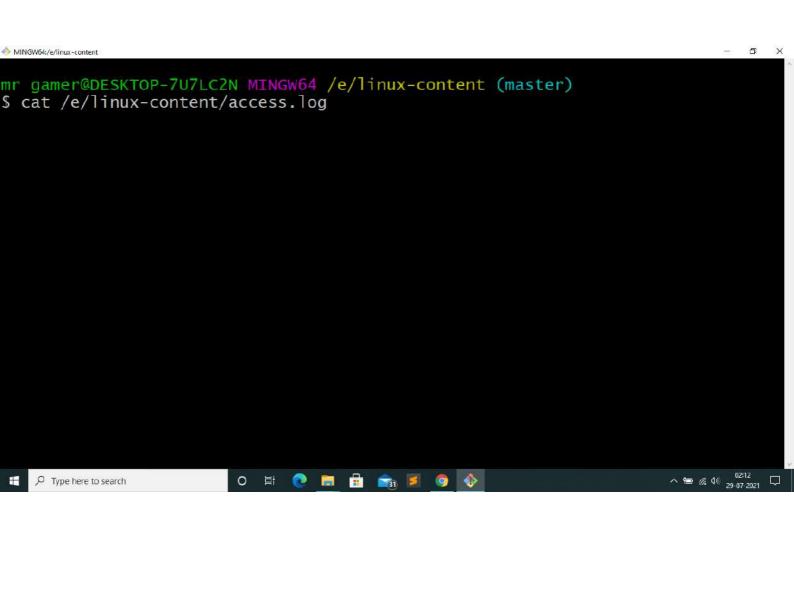
mr gamer@DESKTOP-7U7LC2N MINGW64 /e

# Print list of last 10 unique sorted client IP from /var/log/httpd/access.log

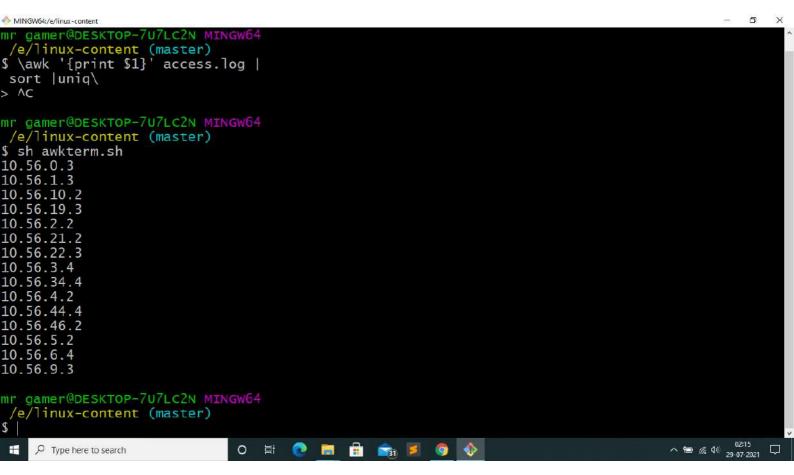
- a) View access.log without opening it using editor.
- b) Print client ip field from access log
- c) Sort extracted client IP and count it
- d) Print 4 unique client IPs

Expect sample output -

3635 107.181.177.135 423 27.62.203.44 45 157.44.195.138 4 157.39.158.225



1; Linux x86\_64) ApplewebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.75 Saf ari/537.36" "114.79.180.62" 10.56.19.3 - - [11/Oct/2019:12:50:46 +0000] "GET\_/assets/ic\_more\_vert\_24px.svg HTTP/1.1" 200 379 "https://fundoopush-dev.bridgelabz.com/dashboard/article" "Mo zilla/5.0 (X11; Linux x86\_64) ApplewebKit/537.36 (KHTML, like Gecko) Chrome/77. 0.3865.75 Safari/537.36" "114.79.180.62" 10.56.19.3 - - [11/Oct/2019:12:50:46 +0000] "GET /assets/play-button-02.png HTT P/1.1" 200 13857 "https://fundoopush-dev.bridgelabz.com/dashboard/article" "Moz illa/5.0 (X11; Linux x86\_64) ApplewebKit/537.36 (KHTML, like Gecko) Chrome/77.0 .3865.75 Safari/537.36" "114.79.180.62" 10.56.19.3 - - [11/oct/2019:12:50:46 +0000] "GET /assets/Rectangle%2010.svg HTT P/1.1" 200 191 "https://fundoopush-dev.bridgelabz.com/dashboard/article" "Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3 865.75 Safari/537.36" "114.79.180.62" 10.56.19.3 - - [11/Oct/2019:12:50:46 +0000] "GET /assets/loading.gif HTTP/1.1" 200 9658 "https://fundoopush-dev.bridgelabz.com/dashboard/article" "Mozilla/5.0 (X11; Linux x86\_64) ApplewebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.75 Safari/537.36" "114.79.180.62" 10.56.2.2 - - [11/Oct/2019:12:53:01 +0000] "GET /login HTTP/1.1" 200 554 "-" "M ozilla/5.0 (X11; Linux x86\_64) ApplewebKit/537.36 (KHTML, like Gecko) Chrome/77 .0.3865.75 Safari/537.36" "114.79.180.62" 10.56.2.2 - - [11/Oct/2019:12:53:01 +0000] "GET /runtime.js HTTP/1.1" 200 1710 "https://fundoopush-dev.bridgelabz.com/login" "Mozilla/5.0 (X11; Linux x86\_64) ^ 9⊒ (€ 4)) 02:12 □ Type here to search O # 0 👼 🔓 💅 🦠



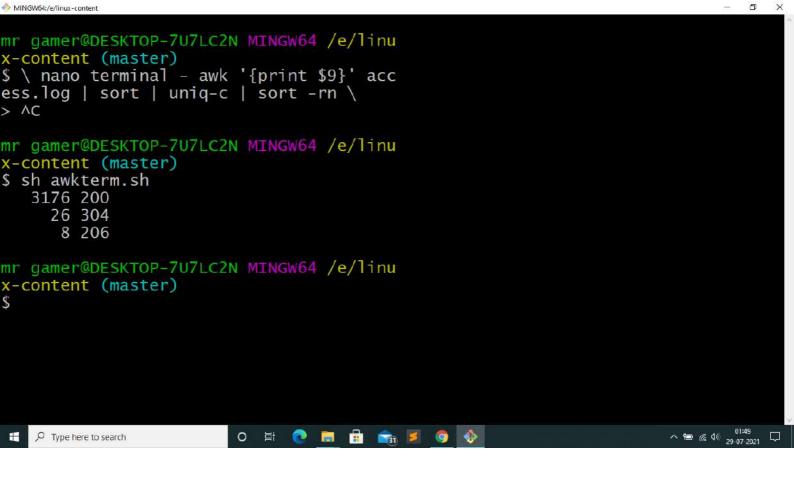
mr gamer@DESKTOP-7U7Lc2N MINGW64 /e/linu
x-content (master)
\$ \awk '{\print \$1}' access.log | sort |
uniq | wc -l\
> \cdot \c

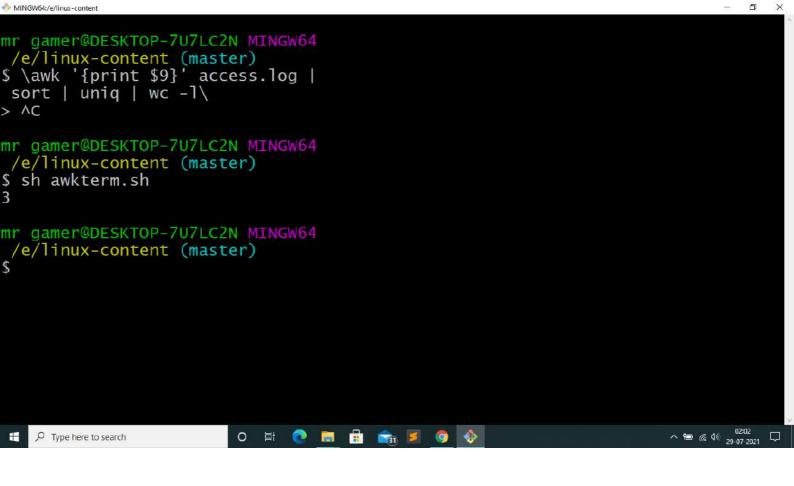
ø

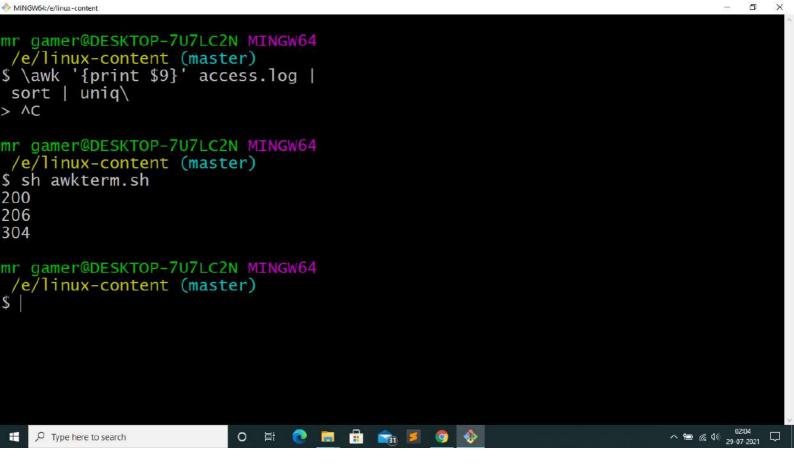
Print list of web response code count in the unique sorted order at specific hou	Print list of we	b response cod	le count in the unio	que sorted order at	specific hour
--	------------------	----------------	----------------------	---------------------	---------------

- a) View access.log without opening it using editor.
  b) Print web response code field which has given timestamp
  c) Sort extracted response code and count it
  d) Print 4 unique response code count

Expected sample output -1000 200 100 304





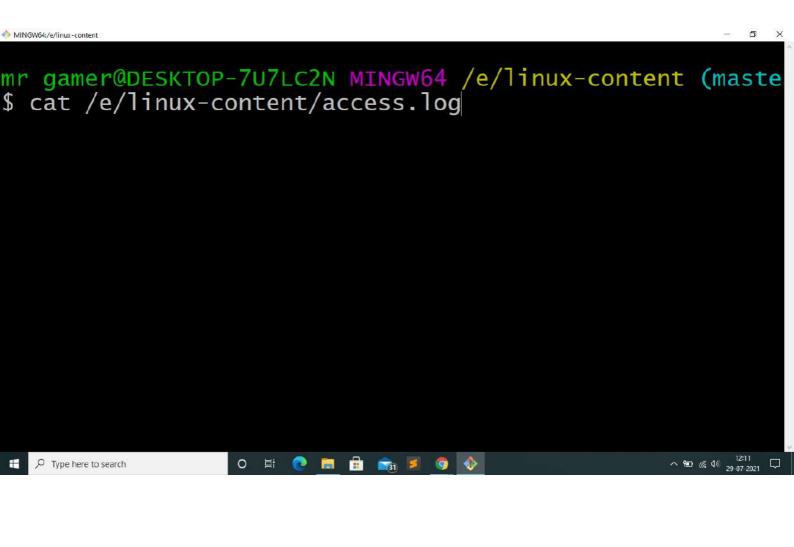


## Print list of last 4 frequently access unique urls at particular hours from /var/log/httpd/access.log

- a) View access.log without opening it using editor.b) Print urls which has given timestamp.
- c) Sort extracted urls and count it d) Print 4 unique urls

Expect sample output -

3458 /index.html 300 /api/swagger-ui.html 100 /favi.ico 20 /robots.txt



; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko) hrome/77.0.3865.75 Safari/537.36" "114.79.180.62" 10.56.0.3 - - [23/Sep/2019:14:00:34 +0000] "GET /assets/ videocam.svg HTTP/1.1" 200 597 "https://fundoopush-dev.b ridgelabz.com/dashboard/article" "Mozilla/5.0 (X11; Linu x x86\_64) ApplewebKit/537.36 (KHTML, like Gecko) Chrome/ 77.0.3865.75 Safari/537.36" "114.79.180.62" 10.56.0.3 - - [23/Sep/2019:14:00:34 +0000] "GET /assets/ camera.svg HTTP/1.1" 200 1899 "https://fundoopush-dev.br idgelabz.com/dashboard/article" "Mozilla/5.0 (X11; Linux x86\_64) ApplewebKit/537.36 (KHTML, like Gecko) Chrome/7 7.0.3865.75 Safari/537.36" "114.79.180.62" 10.56.0.3 - - [23/Sep/2019:14:00:37 +0000] "GET /assets/ outline-crop\_16\_9-24px.svg HTTP/1.1" 200 230 "https://fu ndoopush-dev.bridgelabz.com/dashboard/article" "Mozilla/ 5.0 (X11; Linux  $x86_64$ ) Applewebkit/537.36 (KHTML, like

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mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)
\$ head -4 | grep -o 'http://[^"]\*' acces 1 http://fundoopush-dev.bridgelabz .com/wp-login.php 10 http://www.google.com/bot.html)
2 http://fundoopush-dev.bridgelabz .com/.well-known/acme-challenge/4xM-Y189 9BrBIJ76P5Er2sj2vhEtyi\_DFvfo6xiMXXW 18 http://www.google.com/bot.html)
1 http://fundoopush-dev.bridgelabz .com/wp-login.php /wp-login.pnp
16 http://www.google.com/bot.html)
1 http://cloudsystemnetworks.com)
6 http://www.google.com/bot.html)
1 http://cloudsystemnetworks.com)
4 http://www.google.com/bot.html)
1 http://cloudsystemnetworks.com)
5 http://www.google.com/bot.html)
1 http://fundoopush-dev.bridgelabz/wp-login.php .com/wp-login.php 1 http://www.google.com/bot.html) 1 http://cloudsystemnetworks.com) 6 http://www.google.com/bot.html) へ 恒 🦟 🗘 01:14 📮 📻 💼 😭 💆 🥎 Type here to search

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## Print last 4 frequently access urls count in sorted order from /var/log/httpd/access.log

- a) View /var/log/httpd/access.log
- b) Print field which has urls data.
- c) Sort extracted urls and count it
- d) Print 4 unique urls

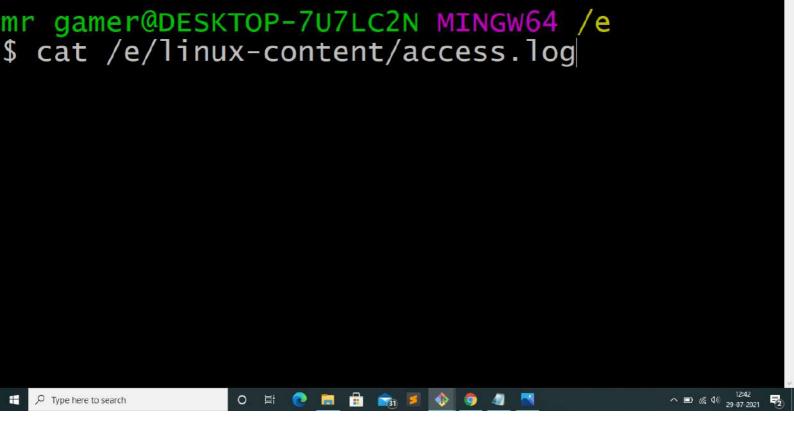
Expect sample output -

3458 /index.html

300 /api/swagger-ui.html

100 /favi.ico

20 /robots.txt



₽ like Gecko) Chrome/77.0.3865.92 Mobile Safa ri/537.36" "114.79.180.62" 10.56.2.2 - - [27/sep/2019:11:54:41 +0000] " GET /assets/ic\_more\_vert\_24px.svg HTTP/1.1" 200 379 "https://fundoopush-dev.bridgelabz.c om/dashboard/article" "Mozilla/5.0 (Linux; A ndroid 8.0.0; Google Nexus 5X) ApplewebKit/5 37.36 (KHTML, like Gecko) chrome/77.0.3865.9 2 Mobile Safari/537.36" "114.79.180.62" 10.56.2.2 - - [27/sep/2019:11:54:41 +0000] "

GET /assets/Rectangle%2010.svg HTTP/1.1" 200

191 "https://fundoopush-dev.bridgelabz.com/
dashboard/article" "Mozilla/5.0 (Linux; Android 8.0.0; Google Nexus 5x) ApplewebKit/537. 36 (KHTML, like Gecko) Chrome/77.0.3865.92 M obile Safari/537.36" "114.79.180.62" 10.56.2.2 - - [27/sep/2019:11:54:41 +0000] "

GET /assets/play-button-02.png HTTP/1.1" 200

13857 "https://fundoopush-dev.bridgelabz.co
m/dashboard/article" "Mozilla/5.0 (Linux; An
droid 8.0.0; Google Nexus 5X) AppleWebKit/53 7.36 (KHTML, like Gecko) Chrome/77.0.3865.92 Mobile Safari/537.36" "114.79.180.62" 10.56.2.2 - - [27/sep/2019:11:54:41 +0000] GET /assets/loading.gif HTTP/1.1" 200 9658 " https://fundoopush-dev.bridgelabz.com/dashbo ard/article" "Mozilla/5.0 (Linux; Android 8. 0.0; Google Nexus 5x) ApplewebKit/537.36 (KH Type here to search ^ □ (f. 4)) 12-42 29-07-2021 € 0 Ħi 🕡

mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linu
x-content (master)
\$ grep -oP "http://k[^1]+" access.log
www.google.com/bot.html)" "66.249.79.48"
cloudsystemnetworks.com)" "209.17.96.18"
www.google.com/bot.html)" "66.249.73.95"
www.google.com/bot.html)" "66.249.73.95"
www.google.com/bot.html)" "66.249.73.95"
fundoopush-dev.bridgelabz.com/wp-login.p
hp" "Mozilla/5.0 (xll; ubuntu; Linux x86
\_64; rv:62.0) Gecko/20100101 Firefox/62.
0" "159.203.27.87"
www.google.com/bot.html)" "66.249.79.45"
www.google.com/bot.html)" "66.249.79.45"
www.google.com/bot.html)" "66.249.79.48"
www.google.com/bot.html)" "66.249.75.79"
www.google.com/bot.html)" "66.249.66.71"
www.google.com/bot.html)" "66.249.66.73"
www.google.com/bot.html)" "66.249.66.73"
www.google.com/bot.html)" "66.249.79.42"
fundoopush-dev.bridgelabz.com/.well-know
n/acme-challenge/4xM-Y18998rB1J76P5Er25j
2VhEtyi\_Devfo6ximxxw" "Go-http-client/1.
1" "10.56.6.94"

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MINGW64:/e/linux-content o mr gamer@DESKTOP-7U7Lc2N MINGW64 /e/linu x-content (master) \$ grep -oP "http://\K[^']+" access.log | sort | uniq -c 1 cloudsystemnetworks.com)" "209.1 7.96.138" 2 cloudsystemnetworks.com)" "209.1 7.96.18" 2 cloudsystemnetworks.com)" "209.1 1 cloudsystemnetworks.com)" "209.1 7.96.90" 7.96.250" 2 fundoopush-dev.bridgelabz.com/.w ell-known/acme-challenge/4xM-Y1899BrBIJ7 6P5Er2sj2vhEtyi\_DFvfo6xiMXXw" "Go-http-c lient/1.1" "10.56.6.94" 1 fundoopush-dev.bridgelabz.com/wp -login.php" "Mozilla/5.0 (X11; Ubuntu; L inux x86\_64; rv:62.0) Gecko/20100101 Fir efox/62.0" "104.248.217.125" 1 fundoopush-dev.bridgelabz.com/wp -login.php" "Mozilla/5.0 (X11; Ubuntu; L inux x86\_64; rv:62.0) Gecko/20100101 Fir efox/62.0" "158.58.133.52" 1 fundoopush-dev.bridgelabz.com/wp -login.php" "Mozilla/5.0 (x11; Ubuntu; L inux x86\_64; rv:62.0) Gecko/20100101 Fir Type here to search O ⊨i ^ ■ (6 4) 29-07-2021 **3**  Archive the files from /var/log folder which have modified 7 days ago and move it to your backup folder

- a) Identify files which have modified time greater than 7 days
- b) Move these files to the backup folder

mr gamer80E5KTOP-7U7LC2N MINCW64 /e
\$ touch Folder\_5/abc.(1...10), log.1
mr gamer80E5KTOP-7U7LC2N MINCW64 /e
\$ ls -1 /o/Folder\_5
total 0
-1-W-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.1.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.2.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.2.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.3.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.3.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.4.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.6.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.6.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r--- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW-r--r-- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
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-rW------- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW------- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log.1
-rW------- 1 mr gamer 197121 0 Jul 29 00:03 abc.8.log

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Append current date to all log files name which has extension .log.1 from a folder

E.g original file - access.log.1 New updated file name - access-20102019.log

- a) Create files with name abc.log.1, def.log.1, ghi.log.1, jkl.log.1, mno.log.1
- b) Print list of files to rename.
- c) Segregate basename and extension of a file
- d) Print Date Command to show in ddmmyy
- e) Append Date to the log file name
- f) Iterate above steps for all files which has extension .log.1

## gamer@DESKTOP-707LC2N MINGM64 /e

\$ 1s - 1 /e/Folder\_5

total 0

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.1.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.2.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.2.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.3.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.4.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.4.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.6.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.6.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r-1 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--1 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--1 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--1 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r--r--7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r----7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r----7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r----7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r----7 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

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-rw-r-----1 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r-----1 mr gamer 197121 0 Jul 29 00:03 abc.7.log.1

-rw-r-----1 mr gamer 197121 0 Jul

mr gamer@DESKTOP-7U7LC2N MINGW64 /e \$ touch Folder\_5/abc.{1..10}.log.1 ō

Get user info	from /etc/passwd	and change own	ership of user's	home directory
(select userid	higher than 1000			

- a) View /etc/passwd file
- b) Print the 1st field from /etc/passwd file
- c) Print all userids > 1000
- d) Print the 2nd field to get home directory
- e) Use command substitution to get user list and home directory
- f) Change ownership of above home directory with user which is retrieve above
- g) Iterate above steps for all userid > 1000

Id EmployeeName JobTitle BasePay OvertimePay OtherPay TotalPay TotalPayBe nefits NATHANIEL **GM GARY CAPTAIN ALBERT CAPTAIN** CHRISTOPHER **MECHANIC PATRICK DEPUTYCHIEF** DAVID **ASSTDEPUTY ALSON BATTALIONCHIEF** DAVID **DEPUTYDIRECTOR** 10 JOANNE **CHIEF** 12 PATRICIA **CAPTAIN** 13 EDWARD **EXECUTIVE** mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master) \$ 10:17 O 🛱 📵 🔚 💼 🗲 🚸 🧿 🐠

mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

\$ cat data.csv

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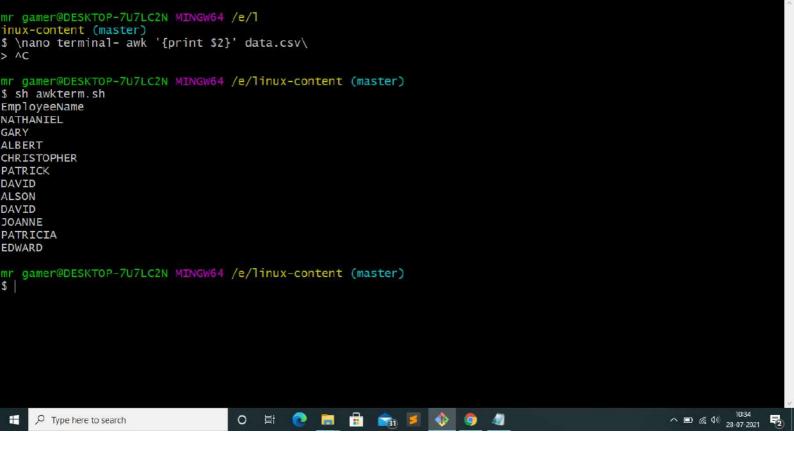
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mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)

\[
\setminus \text{nano terminal- awk '{print \$1}' data.csv\} \\
\text{ \setminus \text{cancel content} (master)} \\
\text{sh awkterm.sh} \\
\text{Id} \\
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\text{3} \\
\text{4} \\
\text{5} \\
\text{6} \\
\text{7} \\
\text{8} \\
\text{10} \\
\text{12} \\
\text{13} \\
\text{mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content} (master)} \\
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MINGW64:/e/linux-content o mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)
\$ \nano terminal- awk '\$1 > 10 {print \$0}' data.csv\
> ^C mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master) \$ sh awkterm.sh BasePay OvertimePay OtherPay TotalPayBenefits Id EmployeeName JobTitle 12 PATRICIA 99722 297608 297608 CAPTAIN 87082 110804 13 EDWARD 294580 0 294580 294580 EXECUTIVE mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master) \$ ^ ■ @ 40 10:30 **3**28-07-2021 O 🛱 🧔 🖺 💼 🛐 Type here to search



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```
mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)
$ 1s -1
total 14814
-rw-r--r-- 1 mr gamer 197121
                                 934 Jul 28 22:25 10
                                 934 Jul 28 22:23 1000
-rw-r--r-- 1 mr gamer 197121
                                  15 Jul 24 19:55 README.md
-rw-r--r-- 1 mr gamer 197121
-rw-r--r-- 1 mr gamer 197121
                              826022 Jul 24 19:55 access.log
                                  26 Jul 28 22:33 awkterm.sh
-rw-r--r-- 1 mr gamer 197121
-rw-r--r-- 1 mr gamer 197121
                                 946 Jul 24 19:55 data.csv
-rw-r--r-- 1 mr gamer 197121 8260403 Jul 24 19:55 linux_chit_sheet.pdf
-rw-r--r-- 1 mr gamer 197121 6065809 Jul 24 19:55 linux_problem_sheet.
mr gamer@DESKTOP-7U7LC2N MINGW64 /e/linux-content (master)
$
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mr gamer@DESKTOP-7U7LC2N MINGW64 /e