```
[ec2-user@ip-172-1-11 ~]$
[ec2-user@ip-172-1-11 ~]$
[ec2-user@ip-172-1-11 ~]$
[ec2-user@ip-172-1-11 ~]$ echo "welcome" | tr a-z  A-Z
WELCOME
[ec2-user@ip-172-1-11 ~]$ wc -c
welcome to the world
21
[ec2-user@ip-172-1-11 ~]$ wc -l
abnkjnjbjkbk
cnk m n m
jdnckdncjdcnk
3
[ec2-user@ip-172-1-11 ~]$ wc -w
bdcjndjvbnvbdcnkdavnjvnkvn
hbvkdnvjkbvjnvkd
2
[ec2-user@ip-172-1-11 ~]$ for x in kanna tom bob  pop harry
> do
> echo $x
> echo "hello hi "
> done
kanna
hello hi
tom
hello hi
bob
hello hi
pop
hello hi
harry
hello hi
[ec2-user@ip-172-1-11 ~]$
```

```
[ec2-user@ip-172-1-11 ~]$
[ec2-user@ip-172-1-11 ~]$ for i in {0..10}
> do
> echo $x
> done
harry
harry
harry
harry
harry
harry
harry
harry
harry
harry
harry
[ec2-user@ip-172-1-11 ~]$ for  x i in {0..10}; do echo $x; done
-bash: syntax error near unexpected token `i'
[ec2-user@ip-172-1-11 ~]$ for  x  in {0..10}; do echo $x; done
0
1
2
3
4
5
6
7
8
9
10
[ec2-user@ip-172-1-11 ~]$ for i in {10..0..2} ;do echo $i ; done
10
8
6
4
2
0
```
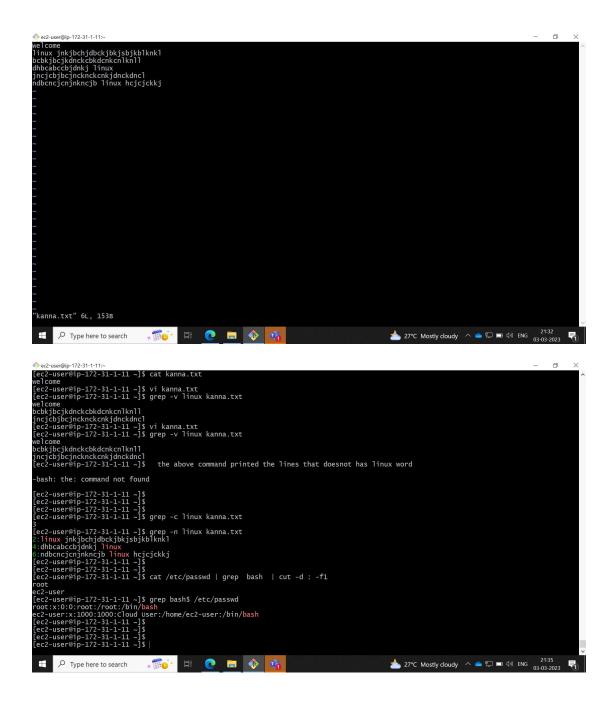
1

```
[ec2-user@ip-172-31-1-11 ~]$ 5-4
-bash: 5-4: command not found
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ expr 5  = 2
0
[ec2-user@ip-172-31-1-11 ~]$ expr 5  +  2
7
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ expr 4 - 2
2
[ec2-user@ip-172-31-1-11 ~]$ echo "expr 5 + 4"
expr 5 + 4
[ec2-user@ip-172-31-1-11 ~]$ echo `expr 5 + 4`
9
[ec2-user@ip-172-31-1-11 ~]$ echo "kanna:x:h1:1111:ok"  | cut -d : -f1
kanna
[ec2-user@ip-172-31-1-11 ~]$ echo "kanna:x:h1:1111:ok"  | cut -d : -f3,4
h1:1111
[ec2-user@ip-172-31-1-11 ~]$ echo "kanna:x:h1:1111:ok"  | cut -d : -f1,5
kanna:ok
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ id kanna
id: 'kanna': no such user
[ec2-user@ip-172-31-1-11 ~]$
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ cat /etc/passwd  | cut -d : -f1
root
bin
daemon
adm
lp
sync
shutdown
halt
mail
operator
games
ftp
nobody
systemd-coredump
dbus
polkitd
tss
sssd
chrony
sshd
systemd-oom
ec2-user
[ec2-user@ip-172-31-1-11 ~]$
```

```
welcome
linux jnkjbchjdbckjbkjsbjkblknkl
bcbkjbcjkdnckcbkdcnkcnlknll
dhbcabccbjdnkj linux
jncjcbjbcjncknckcnkjdnckdncl
ndbcncjcnjnkncjb linux hcjcjckkj
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"kanna.txt" 6L, 153B
```



```
[ec2-user@ip-172-31-1-11 ~]$ cat kanna.txt
welcome
[ec2-user@ip-172-31-1-11 ~]$ vi kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ grep -v linux kanna.txt
welcome
bcbkjbcjkdnckcbkdcnkcnlknll
jncjcbjbcjncknckcnkjdnckdncl
[ec2-user@ip-172-31-1-11 ~]$ vi kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ grep -v linux kanna.txt
welcome
bcbkjbcjkdnckcbkdcnkcnlknll
jncjcbjbcjncknckcnkjdnckdncl
[ec2-user@ip-172-31-1-11 ~]$   the above command printed the lines that doesnot has linux word

-bash: the: command not found

[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ grep -c linux kanna.txt
3
[ec2-user@ip-172-31-1-11 ~]$ grep -n linux kanna.txt
2:linux jnkjbchjdbckjbkjsbjkblknkl
4:dhbcabccbjdnkj linux
6:ndbcncjcnjnkncjb linux hcjcjckkj
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ cat /etc/passwd | grep  bash  | cut -d : -f1
root
ec2-user
[ec2-user@ip-172-31-1-11 ~]$ grep bash$ /etc/passwd
root:x:0:0:root:/root:/bin/bash
ec2-user:x:1000:1000:Cloud User:/home/ec2-user:/bin/bash
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
```

3

```
lw() {
date
cal
ls
        }


kanna() {
name=$1
gender=$2

echo "my name is $name  and iam a $gender"
        }


lw

# kanna eshwar male
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

```
 my name is    and iam a
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh  kanna male
my name is    and iam a
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh  kanna male
my name is    and iam a
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
my name is eshwar  and iam a male
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
Fri Mar  3 04:30:44 PM UTC 2023
      March 2023
Su Mo Tu We Th Fr Sa
          1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

dir.txt  f.sh  kanna.txt  main.sh  name.sh  new.sh  second.txt
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
my name is eshwar  and iam a male
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ myuser()  { cat /etc/passwd  | grep  ${1}$  | cut -d : -f1 }  myuser no-login
> ^C
[ec2-user@ip-172-31-1-11 ~]$ myuser()  { cat /etc/passwd  | grep  ${1}$  | cut -d : -f1 ; }  myuser  bash
-bash: syntax error near unexpected token `myuser'
```



```
lw() {
date
cal
ls
        }



kanna() {
name=$1
gender=$2

echo "my name is $name  and iam a $gender"
        }


#lw

# kanna eshwar male


myuser() {

        cat /etc/passwd  | grep ${1}$  | cut -d : -f1 ;
        }

myuser bash
~
~
~
~
~
"f.sh" 30L, 211B
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
Fri Mar  3 04:30:44 PM UTC 2023
     March 2023
Su Mo Tu We Th Fr Sa
          1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

dir.txt  f.sh  kanna.txt  main.sh  name.sh  new.sh  second.txt
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
my name is eshwar  and iam a male
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ myuser()  { cat /etc/passwd  | grep  ${1}$  | cut -d : -f1 }  myuser no-login
> ^C
[ec2-user@ip-172-31-1-11 ~]$ myuser()  { cat /etc/passwd  | grep  ${1}$  | cut -d : -f1 ; }  myuser  bash
-bash: syntax error near unexpected token `myuser'
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
root
ec2-user
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
root
ec2-user
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
```



```
ls
        }



kanna() {
name=$1
gender=$2

echo "my name is $name  and iam a $gender"
        }


#lw

# kanna eshwar male

myuser() {

        cat /etc/passwd  | grep ${1}$  | cut -d : -f1 ;
        }

# myuser bash

mynettest() {

        ping -c 1  www.google.com
        [ $? == 0 ]  && echo "connected" || echo "error"
        }

mynettest
```

```
--- www.google.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 1.990/1.990/1.990/0.000 ms
[ec2-user@ip-172-31-1-11 ~]$ ping -c 3 www.google.com
PING www.google.com (172.253.122.99) 56(84) bytes of data.
64 bytes from bh-in-f99.1e100.net (172.253.122.99): icmp_seq=1 ttl=100 time=1.98 ms
64 bytes from bh-in-f99.1e100.net (172.253.122.99): icmp_seq=2 ttl=100 time=1.99 ms
64 bytes from bh-in-f99.1e100.net (172.253.122.99): icmp_seq=3 ttl=100 time=2.00 ms

--- www.google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2004ms
rtt min/avg/max/mdev = 1.981/1.989/1.999/0.007 ms
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
ping: 0]: Name or service not known
error
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
PING www.google.com (172.253.122.147) 56(84) bytes of data.
64 bytes from bh-in-f147.1e100.net (172.253.122.147): icmp_seq=1 ttl=53 time=2.29 ms

--- www.google.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 2.287/2.287/2.287/0.000 ms
f.sh: line 35: [0: command not found
error
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
PING www.google.com (172.253.63.105) 56(84) bytes of data.
64 bytes from bi-in-f105.1e100.net (172.253.63.105): icmp_seq=1 ttl=100 time=1.92 ms

--- www.google.com ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 1.919/1.919/1.919/0.000 ms
connected
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$
```



```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ date > one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
Fri Mar  3 04:48:38 PM UTC 2023
[ec2-user@ip-172-31-1-11 ~]$ date1 > one.txt
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ date 1> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
Fri Mar  3 04:49:19 PM UTC 2023
[ec2-user@ip-172-31-1-11 ~]$ date1 2> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ date1 &> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ date >> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
Fri Mar  3 04:50:20 PM UTC 2023
[ec2-user@ip-172-31-1-11 ~]$ date1 &>> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
Fri Mar  3 04:50:20 PM UTC 2023
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ ping -c 1 www.google.com  > /dev/null
[ec2-user@ip-172-31-1-11 ~]$ ping -c 1 www.google.com  &> /dev/null
[ec2-user@ip-172-31-1-11 ~]$
```

7

```
cal
ls
        }




kanna() {
name=$1
gender=$2

echo "my name is $name  and iam a $gender"
        }



#lw

# kanna eshwar male


myuser() {

        cat /etc/passwd  | grep ${1}$  | cut -d : -f1 ;
        }

# myuser bash

mynettest() {

        ping -c 1  www.google.com  &> /dev/null
        [ $? == 0 ]  && echo "connected" || echo "error"
        }

mynettest

-- INSERT --
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ date > one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
Fri Mar  3 04:48:38 PM UTC 2023
[ec2-user@ip-172-31-1-11 ~]$ date1 > one.txt
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ date 1> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
Fri Mar  3 04:49:19 PM UTC 2023
[ec2-user@ip-172-31-1-11 ~]$ date1 2> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ date1 &> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ date >> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
Fri Mar  3 04:50:20 PM UTC 2023
[ec2-user@ip-172-31-1-11 ~]$ date1 &>> one.txt
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
Fri Mar  3 04:50:20 PM UTC 2023
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$ ping -c 1 www.google.com  > /dev/null
[ec2-user@ip-172-31-1-11 ~]$ ping -c 1 www.google.com  &> /dev/null
[ec2-user@ip-172-31-1-11 ~]$ vi f.sh
[ec2-user@ip-172-31-1-11 ~]$ bash f.sh
connected
[ec2-user@ip-172-31-1-11 ~]$
```

8

```
ls
        }


kanna() {
name=$1
gender=$2

echo "my name is $name  and iam a $gender"
        }


#lw

# kanna eshwar male


myuser() {

        cat /etc/passwd  | grep ${1}$  | cut -d : -f1 ;
        }
# myuser bash

mynettest() {

        ping -c 1  www.google.com  &> /dev/null
        [ $? == 0 ]  && echo "connected" || echo "error"
        }

# mynettest


-- INSERT --
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ . f.sh
[ec2-user@ip-172-31-1-11 ~]$ lw
Fri Mar  3 04:55:54 PM UTC 2023
     March 2023
Su Mo Tu We Th Fr Sa
          1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

dir.txt  f.sh  kanna.txt  main.sh  name.sh  new.sh  one.txt  second.txt
[ec2-user@ip-172-31-1-11 ~]$ kanna
my name is   and iam a
[ec2-user@ip-172-31-1-11 ~]$ kanna eshwar male
my name is eshwar  and iam a male
[ec2-user@ip-172-31-1-11 ~]$ mynettest
connected
[ec2-user@ip-172-31-1-11 ~]$ myuser
root
bin
daemon
adm
lp
sync
shutdown
halt
mail
operator
games
ftp
nobody
systemd-coredump
dbus
polkitd
```

```
# .bashrc

# Source global definitions
if [ -f /etc/bashrc ]; then
        . /etc/bashrc
fi

# User specific environment
if ! [[ "$PATH" =~ "$HOME/.local/bin:$HOME/bin:" ]]
then
    PATH="$HOME/.local/bin:$HOME/bin:$PATH"
fi
export PATH

# Uncomment the following line if you don't like systemctl's auto-paging feature:
# export SYSTEMD_PAGER=

# User specific aliases and functions
if [ -d ~/.bashrc.d ]; then
        for rc in ~/.bashrc.d/*; do
                if [ -f "$rc" ]; then
                        . "$rc"
                fi
        done
fi

unset rc
```

```
./root/f.sh
~
~
~
~
~
~
".bashrc" 29L, 505B
```



```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ vim .bashrc
-bash: vim: command not found
[ec2-user@ip-172-31-1-11 ~]$ vi .bashrc
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ lw
Fri Mar  3 04:57:52 PM UTC 2023
      March 2023
Su Mo Tu We Th Fr Sa
          1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

dir.txt  f.sh  kanna.txt  main.sh  name.sh  new.sh  one.txt  second.txt
[ec2-user@ip-172-31-1-11 ~]$ vi .bashrc
[ec2-user@ip-172-31-1-11 ~]$ mynettest
connected
[ec2-user@ip-172-31-1-11 ~]$ lw
Fri Mar  3 04:58:23 PM UTC 2023
      March 2023
Su Mo Tu We Th Fr Sa
          1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

dir.txt  f.sh  kanna.txt  main.sh  name.sh  new.sh  one.txt  second.txt
[ec2-user@ip-172-31-1-11 ~]$
```

```
not
[ec2-user@ip-172-31-1-11 ~]$ if ($x -ge 12) ; then echo "ok"; else echo "not"; fi
-bash: 10: command not found
not
[ec2-user@ip-172-31-1-11 ~]$ if $x -ge 12 ; then echo "ok"; else echo "not"; fi
-bash: 10: command not found
not
[ec2-user@ip-172-31-1-11 ~]$ if $x -ge 12 ; then echo "ok"; else echo "not"; fi
-bash: 10: command not found
not
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ ls
dir.txt  f.sh  kanna.txt  main.sh  name.sh  new.sh  one.txt  second.txt
[ec2-user@ip-172-31-1-11 ~]$ cat kanna.txt
welcome
linux jnkjbchjdbckjbkjsbjkblknkl
bcbkjbcjkdnckcbkdcnkcnlknll
dhbcabccbjdnkj linux
jncjcbjbcjncknckcnkjdnckdncl
ndbcncjcnjnkncjb linux hcjcjckkj
[ec2-user@ip-172-31-1-11 ~]$ cat one.txt
-bash: date1: command not found
Fri Mar  3 04:50:20 PM UTC 2023
-bash: date1: command not found
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ tr a-z  A-Z  <  one.txt
-BASH: DATE1: COMMAND NOT FOUND
FRI MAR  3 04:50:20 PM UTC 2023
-BASH: DATE1: COMMAND NOT FOUND
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
```



```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ salary=7
[ec2-user@ip-172-31-1-11 ~]$ if [ $salary  -ge  9  ]
> then
> echo "ok"
> else
> echo "not"
> fi
not
[ec2-user@ip-172-31-1-11 ~]$ salary=10
[ec2-user@ip-172-31-1-11 ~]$ if [ $salary  -ge  9  ] ; then echo "ok"; else echo "not"; fi
ok
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
```
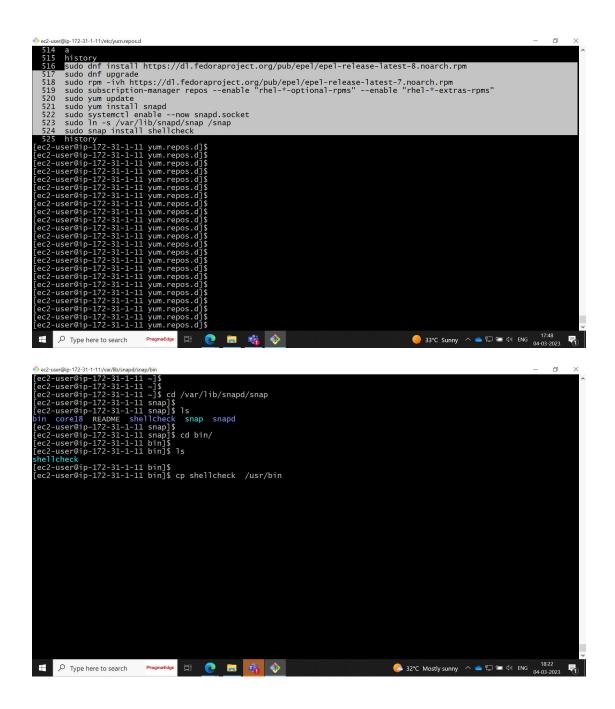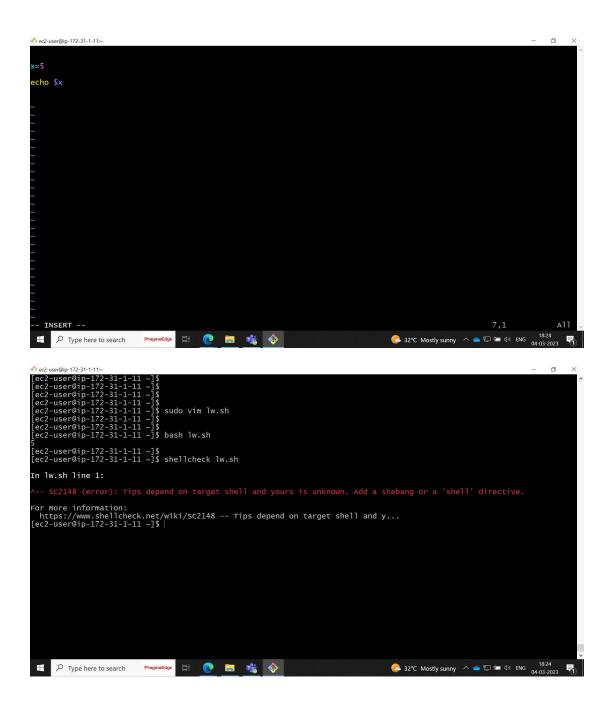
```
myuid=$(id -u)
        if [ $myuid -eq 0 ]
        then
                echo " yes accessed to do "

                read -p "enter ur package here : "  pack

                if  rpm -q $pack  &> /dev/null

                then
                        tput setaf 2
                        echo " $pack already exist "
                        tput setaf 7

                elif    tput setaf 3
                        yum install $pack -y  &> /dev/null
                then
                        echo " $pack installed successfully "
                        tput setaf 7
                else
                        tput setaf 4
                        echo "$pack  not installed "
                        tput setaf 7
                fi


        else    tput setaf 5
                echo " you are not allowed to do "
                tput setaf 7
        fi
~
"/tmp/p.sh" 32L, 512B                                    20,15-36        All
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ vim /tmp/p.sh
[ec2-user@ip-172-31-1-11 ~]$ bash /tmp/p.sh
 you are not allowed to do
[ec2-user@ip-172-31-1-11 ~]$ sudo bash /tmp/p.sh
 yes accessed to do
enter ur package here : net-tools
 net-tools already exist
[ec2-user@ip-172-31-1-11 ~]$ sudo bash /tmp/p.sh
 yes accessed to do
enter ur package here : vim
 vim installed successfully
[ec2-user@ip-172-31-1-11 ~]$ sudo bash /tmp/p.sh
 yes accessed to do
enter ur package here : ls
ls  not installed
[ec2-user@ip-172-31-1-11 ~]$
```

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```
ec2-user@ip-172-31-1-11:/etc/yum.repos.d
 514  a
 515  history
 516  sudo dnf install https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm
 517  sudo dnf upgrade
 518  sudo rpm -ivh https://dl.fedoraproject.org/pub/epel/epel-release-latest-7.noarch.rpm
 519  sudo subscription-manager repos --enable "rhel-*-optional-rpms" --enable "rhel-*-extras-rpms"
 520  sudo yum update
 521  sudo yum install snapd
 522  sudo systemctl enable --now snapd.socket
 523  sudo ln -s /var/lib/snapd/snap /snap
 524  sudo snap install shellcheck
 525  history
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
[ec2-user@ip-172-31-1-11 yum.repos.d]$
```

```
ec2-user@ip-172-31-1-11:/var/lib/snapd/snap/bin
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ cd /var/lib/snapd/snap
[ec2-user@ip-172-31-1-11 snap]$
[ec2-user@ip-172-31-1-11 snap]$ ls
bin  core18  README  shellcheck  snap  snapd
[ec2-user@ip-172-31-1-11 snap]$
[ec2-user@ip-172-31-1-11 snap]$ cd bin/
[ec2-user@ip-172-31-1-11 bin]$
[ec2-user@ip-172-31-1-11 bin]$ ls
shellcheck
[ec2-user@ip-172-31-1-11 bin]$
[ec2-user@ip-172-31-1-11 bin]$ cp shellcheck  /usr/bin
```

```
x=5

echo $x
```

```
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
```

```
-- INSERT --                                                    7,1           All
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ sudo vim lw.sh
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ bash lw.sh
5
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ shellcheck lw.sh

In lw.sh line 1:

^-- SC2148 (error): Tips depend on target shell and yours is unknown. Add a shebang or a 'shell' directive.

For more information:
  https://www.shellcheck.net/wiki/SC2148 -- Tips depend on target shell and y...
[ec2-user@ip-172-31-1-11 ~]$
```

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```
#!/bin/bash

x=5

echo $x
```

```
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
```

```
-- INSERT --                                                          1,12          All
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ sudo vim lw.sh
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ bash lw.sh
5
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ shellcheck lw.sh

In lw.sh line 1:

^-- SC2148 (error): Tips depend on target shell and yours is unknown. Add a shebang or a 'shell' directive.

For more information:
  https://www.shellcheck.net/wiki/SC2148 -- Tips depend on target shell and y...
[ec2-user@ip-172-31-1-11 ~]$ sudo vim lw.sh
[ec2-user@ip-172-31-1-11 ~]$ shellcheck lw.sh
[ec2-user@ip-172-31-1-11 ~]$ sudo vim lw.sh
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ shellcheck lw.sh
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$
```

```
[root@ip-172-31-1-11 ~]#
[root@ip-172-31-1-11 ~]#
[root@ip-172-31-1-11 ~]#
[root@ip-172-31-1-11 ~]# echo -e -n "\033[40m \033[47m  \033[40m  \033[47m"
```