```
wordpress-deployment.yaml
eshwar.l@PE-LP-195 MINGW64 ~/Downloads
$ ssh -i shellscripting.pem  ec2-user@54.162.108.15
The authenticity of host '54.162.108.15 (54.162.108.15)' can't be established.
ED25519 key fingerprint is SHA256:OUmIcWqfCgWoGKgK/TpkBF2z//ZqrS5RVxBa3T6SkeU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '54.162.108.15' (ED25519) to the list of known hosts.
Register this system with Red Hat Insights: insights-client --register
Create an account or view all your systems at https://red.ht/insights-dashboard
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ x=kanna
[ec2-user@ip-172-31-1-11 ~]$ echo "iam ${x} welcoming you all
> ^C
[ec2-user@ip-172-31-1-11 ~]$ echo "iam ${x} welcoming you all"
iam kanna welcoming you all
[ec2-user@ip-172-31-1-11 ~]$ echo $x
kanna
[ec2-user@ip-172-31-1-11 ~]$ unset x
[ec2-user@ip-172-31-1-11 ~]$ echo $x

[ec2-user@ip-172-31-1-11 ~]$ x=7
[ec2-user@ip-172-31-1-11 ~]$ echo "iam the ${x}th person"
iam the 7th person
[ec2-user@ip-172-31-1-11 ~]$ y=$(date)
[ec2-user@ip-172-31-1-11 ~]$ echo y
y
[ec2-user@ip-172-31-1-11 ~]$ echo $y
Fri Mar 3 10:13:58 AM UTC 2023
[ec2-user@ip-172-31-1-11 ~]$ t=`cal`
[ec2-user@ip-172-31-1-11 ~]$ client_loop: send disconnect: Connection reset by peer
ho
eshwar.l@PE-LP-195 MINGW64 ~/Downloads
```

```
[ec2-user@ip-172-31-1-11 ~]$ kanna=kanna
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$ kanna2=kanna
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$ test -e kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ echo $?
1
[ec2-user@ip-172-31-1-11 ~]$ touch kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ ls
kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ test -e kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$ test -d dir.txt
[ec2-user@ip-172-31-1-11 ~]$ echo $?
1
[ec2-user@ip-172-31-1-11 ~]$ mkdir dir.txt
[ec2-user@ip-172-31-1-11 ~]$ ls
dir.txt  kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ test -d dir.txt
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$ cat kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ test -s kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ echo $?
1
[ec2-user@ip-172-31-1-11 ~]$ echo "welcome" > kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ cat kanna.txt
welcome
[ec2-user@ip-172-31-1-11 ~]$ test -s kanna.txt
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$
```
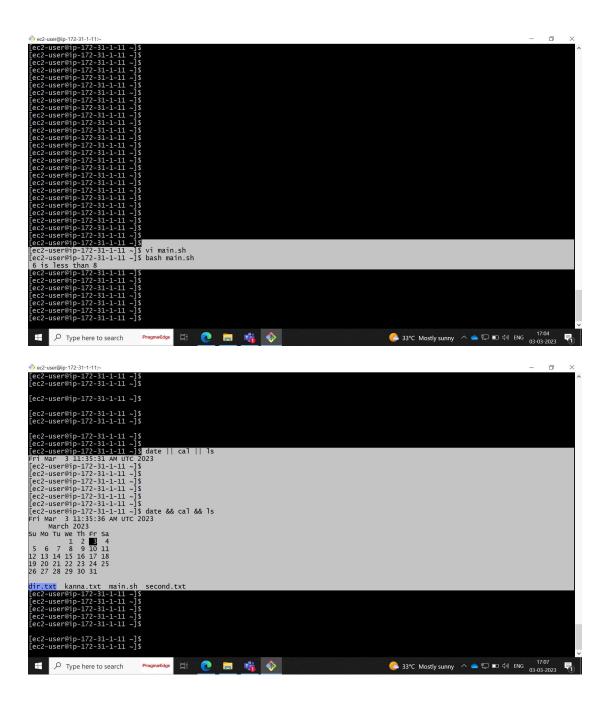
```bash
#!/bin/bash

a=6
b=8

if test "$a" -le "$b"
then
        echo " $a is less than $b"
else
        echo " $a is not less than $b"

fi
```

```
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"main.sh" 12L, 120B
```

```
[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 ~]$
[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 ~]$
[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 main.sh
[ec2-user@ip-172-31-1-11 ~]$ bash main.sh
 6 is less than 8
[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 ~]$
```
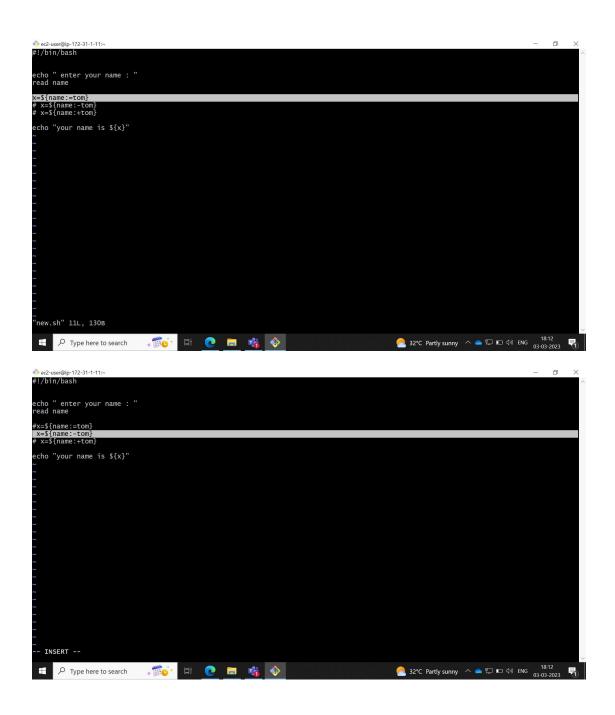
```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$

[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 ~]$ date || cal || ls
Fri Mar  3 11:35:31 AM UTC 2023
[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 ~]$ date && cal && ls
Fri Mar  3 11:35:36 AM 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  kanna.txt  main.sh  second.txt
[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 ~]$
```
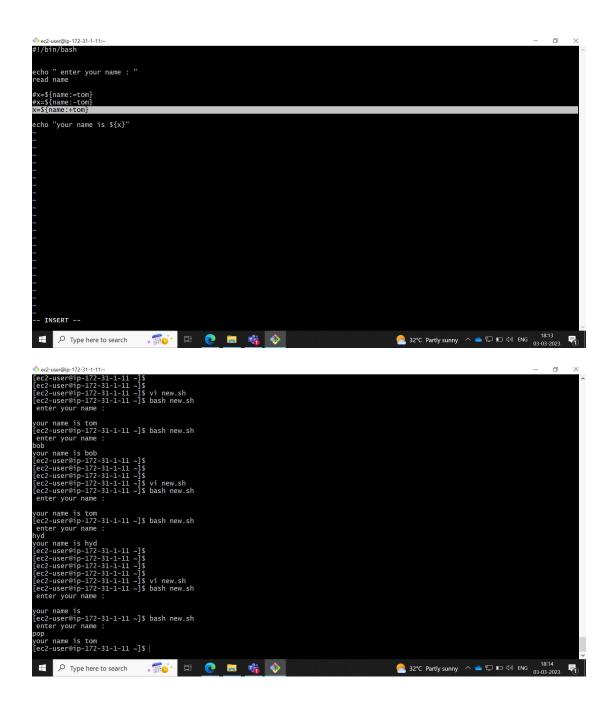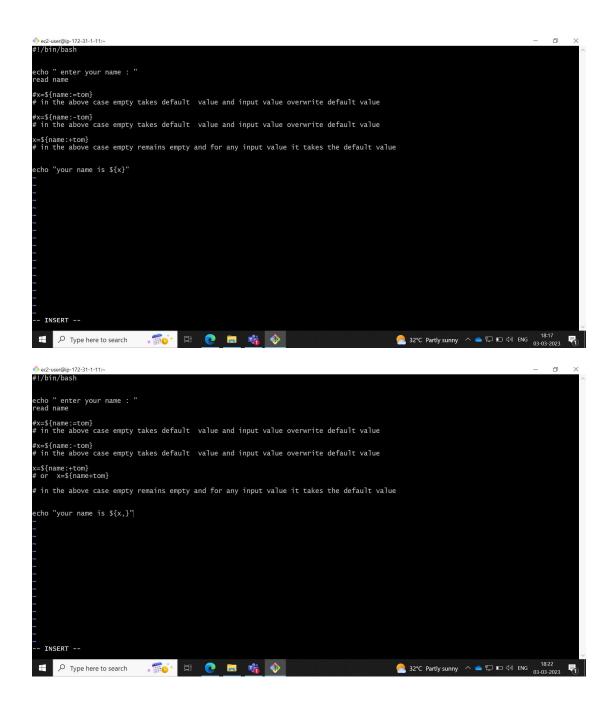
```
19 20 21 22 23 24 25
26 27 28 29 30 31

dir.txt  kanna.txt  main.sh  second.txt
[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 ~]$ read -h
-bash: read: -h: invalid option
read: usage: read [-ers] [-a array] [-d delim] [-i text] [-n nchars] [-N nchars] [-p prompt] [-t timeout] [-u fd] [name ...]
[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 ~]$ test $? -eq 0 &&  echo "done ok" || echo "error occured"
error occured
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$ test $? -eq 0 &&  echo "done ok" || echo "error occured"
done ok
[ec2-user@ip-172-31-1-11 ~]$ read -p "enter ur age : " -n 2  a
enter ur age : 32[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$ echo $a
32
[ec2-user@ip-172-31-1-11 ~]$ read -p "enter ur age : " -n 2 /n a
-bash: read: `/n': not a valid identifier
[ec2-user@ip-172-31-1-11 ~]$ read -p "enter ur age : " -n 2 \n a
enter ur age : 23[ec2-user@ip-172-31-1-11 ~]$ echo $a

[ec2-user@ip-172-31-1-11 ~]$ echo $a

[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 ~]$ read -p "enter ur age : " -n 2  a && echo " "
enter ur age : 23
[ec2-user@ip-172-31-1-11 ~]$ echo $a
23
[ec2-user@ip-172-31-1-11 ~]$ cat /etc/shadow
cat: /etc/shadow: Permission denied
[ec2-user@ip-172-31-1-11 ~]$ test -r /etc/shadow  && echo "go a head" || echo "not allowed to access"
not allowed to access
[ec2-user@ip-172-31-1-11 ~]$ sudo test -r /etc/shadow  && echo "go a head" || echo "not allowed to access"
go a head
[ec2-user@ip-172-31-1-11 ~]$ sudo cat /etc/shadow
root:*:18849:0:99999:7:::
bin:*:18849:0:99999:7:::
daemon:*:18849:0:99999:7:::
adm:*:18849:0:99999:7:::
lp:*:18849:0:99999:7:::
sync:*:18849:0:99999:7:::
shutdown:*:18849:0:99999:7:::
halt:*:18849:0:99999:7:::
mail:*:18849:0:99999:7:::
operator:*:18849:0:99999:7:::
games:*:18849:0:99999:7:::
ftp:*:18849:0:99999:7:::
nobody:*:18849:0:99999:7:::
systemd-coredump:!!:19384:::::::
dbus:!!:19384:::::::
polkitd:!!:19384:::::::
tss:!!:19384:::::::
sssd:!!:19384:::::::
chrony:!!:19384:::::::
sshd:!!:19384:::::::
systemd-oom:!*:19419:::::::
ec2-user:!!:19419:0:99999:7:::
```

```
#!/bin/bash

echo " enter your name : "
read name

x=${name:=tom}
# x=${name:-tom}
# x=${name:+tom}

echo "your name is ${x}"
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"new.sh" 11L, 130B
```

```
#!/bin/bash

echo " enter your name : "
read name

#x=${name:=tom}
 x=${name:-tom}
# x=${name:+tom}

echo "your name is ${x}"
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

```
#!/bin/bash


echo " enter your name : "
read name

#x=${name:=tom}
#x=${name:-tom}
x=${name:+tom}

echo "your name is ${x}"
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

```
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$
[ec2-user@ip-172-31-1-11 ~]$ vi new.sh
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :

your name is tom
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :
bob
your name is bob
[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 new.sh
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :

your name is tom
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :
hyd
your name is hyd
[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 new.sh
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :

your name is
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :
pop
your name is tom
[ec2-user@ip-172-31-1-11 ~]$
```

```
#!/bin/bash

echo " enter your name : "
read name

#x=${name:=tom}
# in the above case empty takes default  value and input value overwrite default value

#x=${name:-tom}
# in the above case empty takes default  value and input value overwrite default value

x=${name:+tom}
# in the above case empty remains empty and for any input value it takes the default value


echo "your name is ${x}"
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

```
#!/bin/bash

echo " enter your name : "
read name

#x=${name:=tom}
# in the above case empty takes default  value and input value overwrite default value

#x=${name:-tom}
# in the above case empty takes default  value and input value overwrite default value

x=${name:+tom}
# or   x=${name+tom}

# in the above case empty remains empty and for any input value it takes the default value


echo "your name is ${x,}"
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

```
[ec2-user@ip-172-31-1-11 ~]$ vi new.sh
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :

your name is
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :
pop
your name is tom
[ec2-user@ip-172-31-1-11 ~]$ vi new.sh
[ec2-user@ip-172-31-1-11 ~]$ vi new.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 ~]$
[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 ~]$ x="hyderabad"
[ec2-user@ip-172-31-1-11 ~]$ echo $x
hyderabad
[ec2-user@ip-172-31-1-11 ~]$ echo ${x}
hyderabad
[ec2-user@ip-172-31-1-11 ~]$ echo ${x^}
Hyderabad
[ec2-user@ip-172-31-1-11 ~]$ echo ${x^^}
HYDERABAD
[ec2-user@ip-172-31-1-11 ~]$ vi new.sh
[ec2-user@ip-172-31-1-11 ~]$ bash new.sh
 enter your name :
kanna
your name is tom
[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 ~]$ x="madhapur"
[ec2-user@ip-172-31-1-11 ~]$ echo $x
madhapur
[ec2-user@ip-172-31-1-11 ~]$ echo ${x}
madhapur
[ec2-user@ip-172-31-1-11 ~]$ echo ${x^}
Madhapur
[ec2-user@ip-172-31-1-11 ~]$ echo ${x^^}
MADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x}
madhapur
[ec2-user@ip-172-31-1-11 ~]$ echo ${x,}
madhapur
[ec2-user@ip-172-31-1-11 ~]$ x=MADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x}
MADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x,}
mADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x,,}
madhapur
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%d}
MADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x %d}
-bash: ${x %d}: bad substitution
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%d}
MADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%R}
MADHAPU
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%R%M}
MADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%R%U}
MADHAPUR
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%R}
MADHAPU
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%R}
```

9

```
/bin/bash-VERSION
[ec2-user@ip-172-31-1-11 ~]$ echo $SHELL_VERSION

[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 ~]$ echo $SHELL
/bin/bash
[ec2-user@ip-172-31-1-11 ~]$ echo $SHELL_VERSION

[ec2-user@ip-172-31-1-11 ~]$ echo {1..5}
1 2 3 4 5
[ec2-user@ip-172-31-1-11 ~]$ echo {1..10}
1 2 3 4 5 6 7 8 9 10
[ec2-user@ip-172-31-1-11 ~]$ echo {10..0}
10 9 8 7 6 5 4 3 2 1 0
[ec2-user@ip-172-31-1-11 ~]$ echo {10..0..2}
10 8 6 4 2 0
[ec2-user@ip-172-31-1-11 ~]$ echo {0..10..2}
0 2 4 6 8 10
[ec2-user@ip-172-31-1-11 ~]$ p=$(pwd)/hello.html
[ec2-user@ip-172-31-1-11 ~]$ echo ${p% /*}
/home/ec2-user/hello.html
[ec2-user@ip-172-31-1-11 ~]$ echo ${p# /*}
/home/ec2-user/hello.html
[ec2-user@ip-172-31-1-11 ~]$ t="a1/b1/c1/h2.html"
[ec2-user@ip-172-31-1-11 ~]$ echo {t% /*}
{t% /*}
[ec2-user@ip-172-31-1-11 ~]$ echo ${t% /*}
a1/b1/c1/h2.html
[ec2-user@ip-172-31-1-11 ~]$ echo ${t# /*}
a1/b1/c1/h2.html
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$
```

```
[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 ~]$
[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 ~]$
[ec2-user@ip-172-31-1-11 ~]$ echo ${t## /*}
a1/b1/c1/h2.html
[ec2-user@ip-172-31-1-11 ~]$ echo $?
0
[ec2-user@ip-172-31-1-11 ~]$ echo ${#p}
25
[ec2-user@ip-172-31-1-11 ~]$ echo ${t## /*}
a1/b1/c1/h2.html
[ec2-user@ip-172-31-1-11 ~]$ echo ${t## /}
a1/b1/c1/h2.html
[ec2-user@ip-172-31-1-11 ~]$ echo ${t%% /*}
a1/b1/c1/h2.html
[ec2-user@ip-172-31-1-11 ~]$ vim name.sh
-bash: vim: command not found
[ec2-user@ip-172-31-1-11 ~]$ vi name.sh
[ec2-user@ip-172-31-1-11 ~]$ bash name.sh kanna 23
 my name is kanna with age 23
[ec2-user@ip-172-31-1-11 ~]$ bash name.sh kanna 23 $#
 my name is kanna with age 23
[ec2-user@ip-172-31-1-11 ~]$
```

```
[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 ~]$ echo $x
/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%/*}
/home
[ec2-user@ip-172-31-1-11 ~]$ echo ${x}
/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%er}
/home/ec2-us
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%er}kkk
/home/ec2-uskkk
[ec2-user@ip-172-31-1-11 ~]$ x=$(pwd):$(pwd)
[ec2-user@ip-172-31-1-11 ~]$ echo $x
/home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%:*/*/}
/home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%:*}
/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%:/*}
/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%:/*/*}
/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%:*/}
/home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%/*}
/home/ec2-user:/home
[ec2-user@ip-172-31-1-11 ~]$ echo ${x#/*}
home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x# /*}
/home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%/*}
/home/ec2-user:/home
[ec2-user@ip-172-31-1-11 ~]$
```

```
home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x# /*}
/home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x%/*}
/home/ec2-user:/home
[ec2-user@ip-172-31-1-11 ~]$
[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 ~]$ echo ${x%%/*}

[ec2-user@ip-172-31-1-11 ~]$ echo ${x%/*}
/home/ec2-user:/home
[ec2-user@ip-172-31-1-11 ~]$ echo ${x#/*}
home/ec2-user:/home/ec2-user
[ec2-user@ip-172-31-1-11 ~]$ echo ${x##/*}

[ec2-user@ip-172-31-1-11 ~]$ echo ${#p}
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[ec2-user@ip-172-31-1-11 ~]$ mkdir -p a1/b1/c1/d.html
[ec2-user@ip-172-31-1-11 ~]$ ls
a1  dir.txt  kanna.txt  main.sh  name.sh  new.sh  second.txt
[ec2-user@ip-172-31-1-11 ~]$ cd a1/b1/c1/
[ec2-user@ip-172-31-1-11 c1]$ ls
d.html
[ec2-user@ip-172-31-1-11 c1]$ cd d.html/
[ec2-user@ip-172-31-1-11 d.html]$ ls
[ec2-user@ip-172-31-1-11 d.html]$ touch -p a/b/c/d.txt
touch: invalid option -- 'p'
Try 'touch --help' for more information.
[ec2-user@ip-172-31-1-11 d.html]$
[ec2-user@ip-172-31-1-11 d.html]$
[ec2-user@ip-172-31-1-11 d.html]$
[ec2-user@ip-172-31-1-11 d.html]$
```

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