

## Shell Daily Work

```
prathmesh@LAPTOP-OT46FJFD:~$ ls
bottle      distros-new.txt  helloo.txt  infob.sh    output.tar.bz2
cadac.txt   distros.txt      hey.txt     infobell    pandu
cdac.txt    file.tar         heyy.txt    kk.sh       shubh.zip
comp.tar    file1.txt        hhh         leap.sh     shubham
dbda.txt    file4.txt        hi.txt      movinf      sunny
demmo.txt   folder1          hill.tar    mytar.tar   nandu
demo.txt    greatest.sh      info.txt    nandu
demo2.txt   helloo           info2.txt   output.tar

prathmesh@LAPTOP-OT46FJFD:~$ cat/etc/shells
-bash: cat/etc/shells: No such file or directory
prathmesh@LAPTOP-OT46FJFD:~$ which bash
/usr/bin/bash
prathmesh@LAPTOP-OT46FJFD:~$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
/usr/bin/tmux
/usr/bin/screen
prathmesh@LAPTOP-OT46FJFD:~$ nano "its a 1st shell script demo"
prathmesh@LAPTOP-OT46FJFD:~$ echo "its a 1st shell script demo"
its a 1st shell script demo
prathmesh@LAPTOP-OT46FJFD:~$ read -p "enter a number:--"
enter a number:--55
```

```
prathmesh@LAPTOP-OT46FJFD:~$ /bin/rbash
prathmesh@LAPTOP-OT46FJFD:~$ /usr/bin/rbash
prathmesh@LAPTOP-OT46FJFD:~$ /bin/dash
prathmesh@LAPTOP-OT46FJFD:~$ /usr/bin/dash
prathmesh@LAPTOP-OT46FJFD:~$ /usr/bin/tmux
prathmesh@LAPTOP-OT46FJFD:~$ /usr/bin/screen
prathmesh@LAPTOP-OT46FJFD:~$ nano "its a 1st shell script demo"
prathmesh@LAPTOP-OT46FJFD:~$ echo "its a 1st shell script demo"
its a 1st shell script demo
prathmesh@LAPTOP-OT46FJFD:~$ read -p "enter a number:--"
enter a number:--55
prathmesh@LAPTOP-OT46FJFD:~$ expr 2+3
2+3
5
prathmesh@LAPTOP-OT46FJFD:~$ expr 2 + 3
5
prathmesh@LAPTOP-OT46FJFD:~$ echo $((2+3))
5
prathmesh@LAPTOP-OT46FJFD:~$ echo 1.1+2.2|bc -l
3.3
prathmesh@LAPTOP-OT46FJFD:~$ vi even.sh
prathmesh@LAPTOP-OT46FJFD:~$ bash even.sh
enter number:
55
even.sh: line 4: 1: command not found
number is even
prathmesh@LAPTOP-OT46FJFD:~$ vi even.sh
prathmesh@LAPTOP-OT46FJFD:~$ bash even.sh
enter number:
20
even.sh: line 4: 0: command not found
number is even
prathmesh@LAPTOP-OT46FJFD:~$ |
```

## Shell Daily Work

```
prathmesh@LAPTOP-OT46FJFI X + ~  
#!/bin/bash  
echo "enter number:"  
read a  
num=`expr $a % 2`  
if [[ $num -eq 0 ]]  
then  
    echo "number is even"  
else  
    echo "number is odd"  
fi  
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-- INSERT --
```

10,2 All

34°C Smoke

Windows taskbar icons: File Explorer, Microsoft Edge, Google Chrome, VS Code, Firefox, Telegram, WhatsApp, OneDrive, Outlook, Mail, Calendar, Photos, Music, Settings, Task View, Search.

System tray: Network status, Volume, Bluetooth, Date/Time (15:10 11-11-2022).

```
prathmesh@LAPTOP-OT46FJFD:~$ echo $SHELL
/bin/bash
prathmesh@LAPTOP-OT46FJFD:~$ myarray = (sun mon tue)
-bash: syntax error near unexpected token `('
prathmesh@LAPTOP-OT46FJFD:~$ myarray=(sun mon tue)
prathmesh@LAPTOP-OT46FJFD:~$ echo $myarray
sun
prathmesh@LAPTOP-OT46FJFD:~$ echo ${myarray[@]}
sun mon tue
prathmesh@LAPTOP-OT46FJFD:~$ echo ${!myarray[@]}
0 1 2
prathmesh@LAPTOP-OT46FJFD:~$ ls
bottle      file4.txt      infobell
cadc.txt    folder1        kk.sh
cdac.txt    greatest.sh    leap.sh
comp.tar    helloo         movinf
bdba.txt    helloo.txt     mytar.tar
demmo.txt   hey.txt        nandu
demo.txt    hey.y.txt      output.tar
demo2.txt   hhh            output.tar.bz2
distros-new.txt hi.txt         pandu
distros.txt hill.tar       shubh.zip
even.sh     info.txt       shubham
file.tar    info2.txt      sunny
file1.txt   infob.sh
prathmesh@LAPTOP-OT46FJFD:~$ echo $(ls)
bottle cadc.txt cdac.txt comp.tar dbda.txt demmo.txt demo.txt demo2.txt distros-new.txt distros.txt even.sh file.tar file1.t
k file4.txt folder1 greatest.sh helloo helloo.txt hey.txt hey.y.txt hhh hi.txt hill.tar info.txt info2.txt infob.sh infobell k
k.sh leap.sh movinf mytar.tar nandu output.tar output.tar.bz2 pandu shubh.zip shubham sunny
prathmesh@LAPTOP-OT46FJFD:~$ read -p "enter a name" name
enter a nameprathmesh
prathmesh@LAPTOP-OT46FJFD:~$ echo $name
```

## Shell Daily Work

```
prathmesh@LAPTOP-OT46FJFD:~$ cat even.sh info.txt shubham
prathmesh@LAPTOP-OT46FJFD:~$ cat file.tar info2.txt sunny
prathmesh@LAPTOP-OT46FJFD:~$ cat file1.txt infob.sh
prathmesh@LAPTOP-OT46FJFD:~$ echo $(ls)
bottle cadc.txt cdac.txt comp.tar dbda.txt demmo.txt demo.txt demo2.txt distros-new.txt distros.txt even.sh file.tar file1.tx
t file4.txt folder1 greatest.sh helloo helloo.txt hey.txt hey.y.txt hhh hi.txt hill.tar info.txt info2.txt infob.sh infobell k
k.sh leap.sh movinf mytar.tar nandu output.tar output.tar.bz2 pandu shubh.zip shubham sunny
prathmesh@LAPTOP-OT46FJFD:~$ read -p "enter a name" name
enter a nameprathmesh
prathmesh@LAPTOP-OT46FJFD:~$ echo $name
prathmesh
prathmesh@LAPTOP-OT46FJFD:~$ read -a myarray
its a 1st array^C
prathmesh@LAPTOP-OT46FJFD:~$ echo ${!myarray[@]}
0 1 2
prathmesh@LAPTOP-OT46FJFD:~$ echo "scale=2 ; 1.1 + 2.2" | bc -l
>
prathmesh@LAPTOP-OT46FJFD:~$ echo "scale=2 ; 1.1 + 2.2" | bc -l
3.3
prathmesh@LAPTOP-OT46FJFD:~$ echo "scale=5 ; 50/40" |
bc -l
1.25000
prathmesh@LAPTOP-OT46FJFD:~$ echo *
bottle cadc.txt cdac.txt comp.tar dbda.txt demmo.txt demo.txt demo2.txt distros-new.txt distros.txt even.sh file.tar file1.tx
t file4.txt folder1 greatest.sh helloo helloo.txt hey.txt hey.y.txt hhh hi.txt hill.tar info.txt info2.txt infob.sh infobell k
k.sh leap.sh movinf mytar.tar nandu output.tar output.tar.bz2 pandu shubh.zip shubham sunny
prathmesh@LAPTOP-OT46FJFD:~$ ls folder1/*
folder3
prathmesh@LAPTOP-OT46FJFD:~$ |
```