

## Assignment 7

### SHELL SCRIPTING

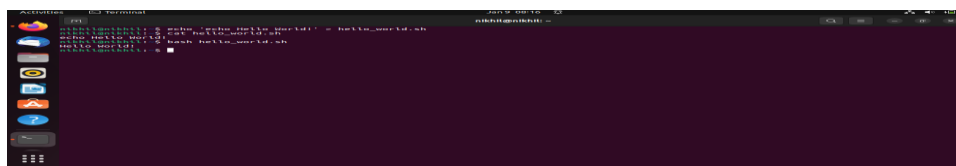
NAME:-Nikhil Balsaheb Kokale

MIS:-112103072

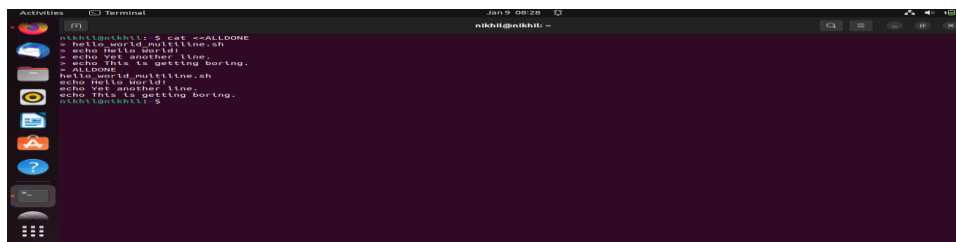
DIV:-1

BATCH:-S5

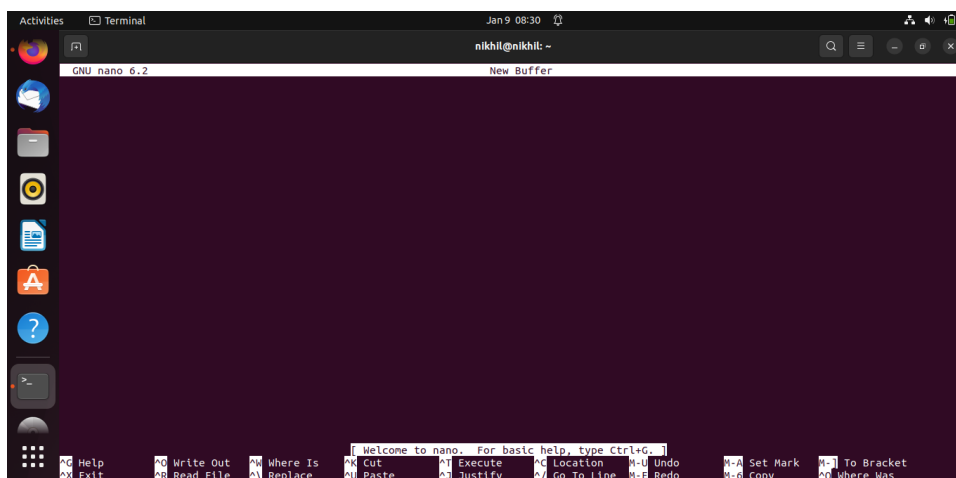
Script Execution - by calling bash

A terminal window with a dark purple background. The prompt is 'nikhil@nikhil: ~'. The user has entered a command to execute a script, and the output shows several lines of text being printed, including 'hello world multiline.sh' and 'hello world multiline.sh'.

Multiline file Creation

A terminal window with a dark purple background. The prompt is 'nikhil@nikhil: ~'. The user has entered a command to create a file with multiple lines of text. The output shows the file being created and the text being written to it.

Nano

A terminal window with a dark purple background. The prompt is 'nikhil@nikhil: ~'. The user has entered a command to open a file in the Nano editor. The Nano editor interface is shown, with a title bar 'GNU nano 6.2' and a status bar at the bottom containing various keyboard shortcuts.

Shell Expansion



Today is date

```
nikhil@nikhil:~$ echo "Today is `date`"
```

Today is Saturday 04 February 2023 08:10:35 PM IST

```
nikhil@nikhil:~$ echo `expr 6 + 3`
```

9

```
nikhil@nikhil:~$ echo `expr 6+3`
```

6+3

```
nikhil@nikhil:~$ echo `expr 6 + 3`
```

9

```
nikhil@nikhil:~$ echo `expr 6 + 3`
```

9

```
nikhil@nikhil:~$ ?
```

?: command not found

```
nikhil@nikhil:~$ $?
```

127: command not found

```
nikhil@nikhil:~$ echo $?
```

127

```
nikhil@nikhil:~$ echo $?
```

0

```
nikhil@nikhil:~$ echo $?
```

0

```
nikhil@nikhil:~$ rm nikhil
```

rm: cannot remove 'nikhil': No such file or directory

```
nikhil@nikhil:~$ echo $?
```

1

```
nikhil@nikhil:~$ expr 1 + 3
```

4

```
nikhil@nikhil:~$ expr 1+3
```

1+3

```
nikhil@nikhil:~$ expr 1 + 3
```

```
4
```

```
nikhil@nikhil:~$ expr 1 +3
```

```
expr: syntax error: unexpected argument '+3'
```

```
nikhil@nikhil:~$ expr 1 + 3
```

```
4
```

```
nikhil@nikhil:~$ $?
```

```
0: command not found
```

```
nikhil@nikhil:~$ echo $?
```

```
127
```

```
nikhil@nikhil:~$ expr 1 + 3
```

```
4
```

```
nikhil@nikhil:~$ echo $?
```

```
0
```

```
nikhil@nikhil:~$ echo Welcome
```

```
Welcome
```

```
nikhil@nikhil:~$ echo $?
```

```
0
```

```
nikhil@nikhil:~$ date
```

```
Saturday 04 February 2023 08:19:27 PM IST
```

```
nikhil@nikhil:~$ echo $?
```

```
0
```

```
nikhil@nikhil:~$ echon $?
```

```
Command 'echon' not found, did you mean:
```

```
command 'echo' from deb coreutils (8.32-4.1ubuntu1)
```

```
Try: sudo apt install <deb name>
```

```
nikhil@nikhil:~$ echo 4?
```

```
4?
```

```
nikhil@nikhil:~$ echon $?
```

Command 'echon' not found, did you mean:

command 'echo' from deb coreutils (8.32-4.1ubuntu1)

Try: sudo apt install <deb name>

nikhil@nikhil:~\$ echo \$?

127

nikhil@nikhil:~\$ vi sayH

nikhil@nikhil:~\$ chmod +x sayH

nikhil@nikhil:~\$ ./sayH

Your first name please

Nikhil

./sayH: line 3: Nikhil: command not found

Your name is

nikhil@nikhil:~\$ vi sayH

nikhil@nikhil:~\$ ./sayH

Your first name please

Nikhil

Your name is

nikhil@nikhil:~\$ vi sayH

nikhil@nikhil:~\$ ./sayH

Your first name please

Nikhil

Your name is Nikhil

nikhil@nikhil:~\$ ls \*

a-add.i      add.c              archive.zip   '[doc1.sh]'   hello\_world.sh   notepad.txt      s1.sh

a-addition\_1.i   addition\_1.c      assignment1.c   doc1.sh      hello\_world.shCLEAR   PPL1.c  
s1.sh.save

a-addition\_1.o   addition\_1.s              assignment7.c   doc2      hi              PPL\_add.c      s2.sh

a-addition\_1.s   addition.c              Assignment\_7.c '[doc2.sh]'   index.html              ppl\_assignment\_1.c  
s3.txt

a-addition.i a.out Assignment7.c fp.c index.html.1 PPL\_assignment1.c s4.txt  
a-addition.s a-ppl\_assignment\_2.i Assignment8.c ginfo insert ppl\_assignment\_2.c  
sayH  
a-add.o a-ppl\_assignment\_2.o Assignment9.c hello1.sh nano.13006.save  
ppl\_assignment\_2.s test.sh  
a-add.s a-ppl\_assignment\_2.s command.insert hello.sh nano.3741.save PPL.c  
'Untitled Document 1'

#### Desktop:

hello hello1 hello1.sh hello.sh

#### Documents:

PPL\_assignment2.odt

#### Downloads:

'Screenshot from 2023-01-04 23-57-38.png'

#### DTL:

hello-world.sh hello-world.sh.save nano.3872.save nano.4069.save z1 z10 z2 z3 z4 z5 z6 z7 z8 z9

#### Music:

#### Pictures:

Screenshots

#### Public:

#### snap:

firefox htop snapd-desktop-integration

SY:

Templates:

TY:

Videos:

way1:

way3:

way4:

way5:

```
nikhil@nikhil:~$ ls *a
```

```
ls: cannot access '*a': No such file or directory
```

```
nikhil@nikhil:~$ ls a*
```

```
a-add.i      a-addition_1.s a-add.o addition_1.c a.out          a-ppl_assignment_2.s assignment7.c
```

```
a-addition_1.i a-addition.i a-add.s addition_1.s a-ppl_assignment_2.i archive.zip
```

```
a-addition_1.o a-addition.s add.c addition.c a-ppl_assignment_2.o assignment1.c
```

```
nikhil@nikhil:~$ ls .c*
```

.cache:

```
event-sound-cache.tdb.f02fe1ccfb9741ff9f20f27c2c0eae67.x86_64-pc-linux-gnu gstreamer-1.0
```

```
obexd      totem
```

```
evolution
```

```
ibus
```

```
simple-scan tracker3
```

```
fontconfig
```

```
ibus-table
```

```
thumbnails ubuntu-report
```

```
gnome-desktop-thumbailer  
manager-core
```

```
mesa_shader_cache thunderbird update-
```

.config:

dconf eog gnome-initial-setup-done goa-1.0 gtk-4.0 libreoffice procs simple-scan update-notifier user-dirs.locale

enchant evolution gnome-session gtk-3.0 ibus nautilus pulse totem user-dirs.dirs

nikhil@nikhil:~\$ ls ut\*.c

ls: cannot access 'ut\*.c': No such file or directory

nikhil@nikhil:~\$ ls ut\*.c

ls: cannot access 'ut\*.c': No such file or directory

nikhil@nikhil:~\$ ls [abc]\*

a-add.i a-addition\_1.s a-add.o addition\_1.c a.out a-ppl\_assignment\_2.s assignment7.c

a-addition\_1.i a-addition.i a-add.s addition\_1.s a-ppl\_assignment\_2.i archive.zip  
command.insert

a-addition\_1.o a-addition.s add.c addition.c a-ppl\_assignment\_2.o assignment1.c

nikhil@nikhil:~\$ ls [a-z]\*

a-add.i a-add.o a.out assignment7.c hello1.sh index.html.1  
ppl\_assignment\_2.c s4.txt

a-addition\_1.i a-add.s a-ppl\_assignment\_2.i command.insert hello.sh insert  
ppl\_assignment\_2.s sayH

a-addition\_1.o add.c a-ppl\_assignment\_2.o doc1.sh hello\_world.sh nano.13006.save  
s1.sh test.sh

a-addition\_1.s addition\_1.c a-ppl\_assignment\_2.s doc2 hello\_world.shCLEAR nano.3741.save  
s1.sh.save

a-addition.i addition\_1.s archive.zip fp.c hi notepad.txt s2.sh

a-addition.s addition.c assignment1.c ginfo index.html ppl\_assignment\_1.c s3.txt

snap:

firefox htop snapd-desktop-integration

way1:



way3:

way4:

way5:

nikhil@nikhil:~\$ ls /bin/[a-c]\*

/bin/aa-enabled	/bin/apt-ftpparchive	/bin/basename	/bin/bzip2	/bin/chown
/bin/aa-exec	/bin/apt-get	/bin/basenc	/bin/bzip2recover	/bin/chrt
/bin/aa-features-abi	/bin/apt-key	/bin/bash	/bin/bzless	/bin/chsh
/bin/aconnect	/bin/apt-mark	/bin/bashbug	/bin/bzmore	/bin/chvt
/bin/acpi_listen	/bin/apt-sortpkgs	/bin/bc	/bin/c++	/bin/ciptool
/bin/add-apt-repository	/bin/apturl	/bin/bdftopcf	/bin/c89	/bin/ckbcomp
/bin/addpart	/bin/apturl-gtk	/bin/bdftruncate	/bin/c89-gcc	/bin/cksum
/bin/addr2line	/bin/ar	/bin/bitmap	/bin/c99	/bin/clear
/bin/airscan-discover	/bin/arch	/bin/bluemoon	/bin/c99-gcc	
/bin/clear_console				
/bin/alsabat	/bin/arecord	/bin/bluetoothctl	/bin/calibrate_ppa	/bin/cmp
/bin/alsaloop	/bin/arecordmidi	/bin/bluetooth-sendto	/bin/canberra-gtk-play	
/bin/codepage				
/bin/alsamixer	/bin/arm2hpd	/bin/bmtoa	/bin/cancel	/bin/col
/bin/alsatplg	/bin/as	/bin/boltctl	/bin/captoinfo	/bin/colcrt
/bin/alsaucm	/bin/aseqdump	/bin/bootctl	/bin/cat	/bin/colormgr
/bin/amidi	/bin/aseqnet	/bin/brltty	/bin/catman	/bin/colrm
/bin/amixer	/bin/aspell	/bin/brltty-ctb	/bin/cautious-launcher	/bin/column
/bin/apg	/bin/aspell-import	/bin/brltty-trtxt	/bin/cc	/bin/comm
/bin/apgbfm	/bin/atobm	/bin/brltty-ttb	/bin/cd-create-profile	/bin/compose
/bin/aplay	/bin/avahi-browse	/bin/broadwayd	/bin/cd-fix-profile	/bin/corelist
/bin/aplaymidi	/bin/avahi-browse-domains	/bin/browse	/bin/cd-iccdump	/bin/cp
/bin/apport-bug	/bin/avahi-publish	/bin/btattach	/bin/cd-it8	/bin/cpan

```

/bin/apport-cli      /bin/avahi-publish-address /bin/btmgmt      /bin/c++filt
/bin/cpan5.34-x86_64-linux-gnu

/bin/apport-collect  /bin/avahi-publish-service /bin/btmon       /bin/chacl      /bin/cpio
/bin/apport-unpack   /bin/avahi-resolve         /bin/bunzip2     /bin/chage      /bin/cpp
/bin/appres          /bin/avahi-resolve-address /bin/busctl      /bin/chardet    /bin/cpp-11
/bin/appstreamcli    /bin/avahi-resolve-host-name /bin/busybox     /bin/chardetect
/bin/c_rehash

/bin/apropos         /bin/avahi-set-host-name   /bin/bwrap       /bin/chattr     /bin/crontab
/bin/apt             /bin/avinfo                /bin/bzcat       /bin/chcon      /bin/csplit
/bin/apt-add-repository /bin/awk                   /bin/bzcmp       /bin/check-language-support
/bin/ctstat

/bin/apt-cache       /bin/axfer                 /bin/bzdiff      /bin/cheese     /bin/cupstestppd
/bin/apt-cdrom       /bin/b2sum                 /bin/bzegrep     /bin/chfn       /bin/cut
/bin/apt-config      /bin/baobab                /bin/bzexe       /bin/chgrp      /bin/cvt
/bin/aptdcon         /bin/base32                /bin/bzfgrep     /bin/chmod      /bin/cvtsudoers
/bin/apt-extracttemplates /bin/base64               /bin/bzgrep      /bin/choom

```

```
nikhil@nikhil:~$ ls [!a]
```

```
ls: cannot access '[!a]': No such file or directory
```

```
nikhil@nikhil:~$ ls /bin[!a]
```

```
ls: cannot access '/bin[!a]': No such file or directory
```

```
nikhil@nikhil:~$ ls /bin/[!a]
```

```
'/bin/[' /bin/w /bin/X
```

```
nikhil@nikhil:~$ ls /bin/[^a]
```

```
'/bin/[' /bin/w /bin/X
```

```
nikhil@nikhil:~$ date,who
```

```
date,who: command not found
```

```
nikhil@nikhil:~$ date,who
```

```
date,who: command not found
```

```
nikhil@nikhil:~$ date;who
```

```
Saturday 04 February 2023 08:39:59 PM IST
```

nikhil tty2 2023-02-04 19:19 (tty2)

nikhil@nikhil:~\$ date who

date: invalid date 'who'

nikhil@nikhil:~\$ date;who

Saturday 04 February 2023 08:40:15 PM IST

nikhil tty2 2023-02-04 19:19 (tty2)

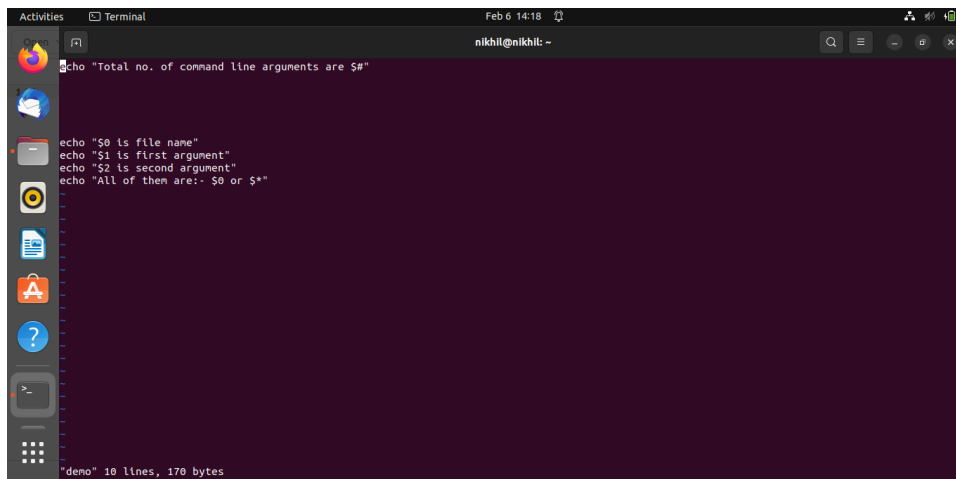
nikhil@nikhil:~\$ ls grate\_stories\_of

ls: cannot access 'grate\_stories\_of': No such file or directory

nikhil@nikhil:~\$ ls foo

ls: cannot access 'foo': No such file or directory

nikhil@nikhil:~\$



```
Activities Terminal Feb 6 14:18 nikhil@nikhil: ~
echo "Total no. of command line arguments are $#"
```

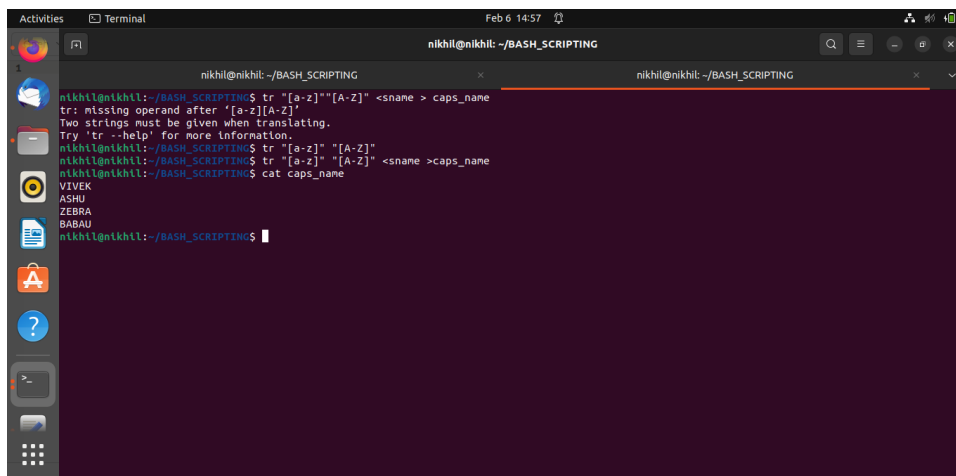
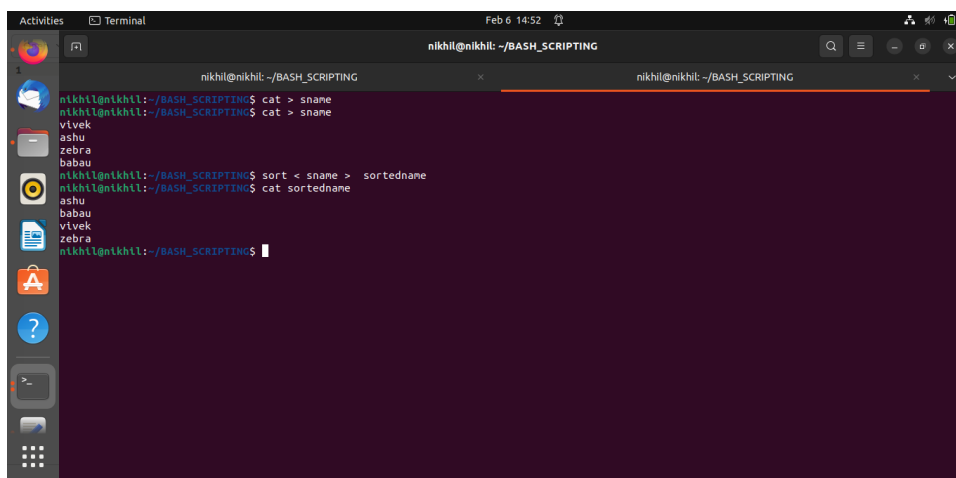
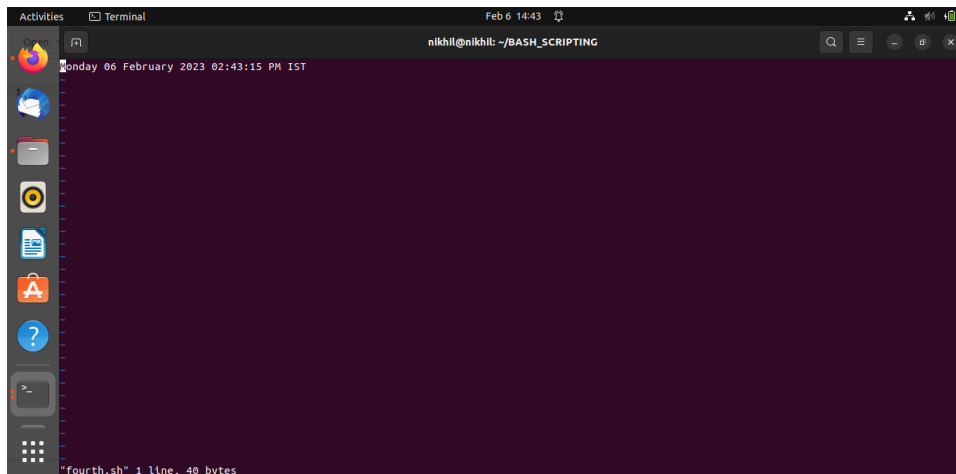
```
echo "$0 is file name"
echo "$1 is first argument"
echo "$2 is second argument"
echo "All of them are:- $0 or $@"
```

```
"deno" 10 lines, 170 bytes
```

```
Activities Terminal Feb 6 14:18 nikhil@nikhil:~  
nikhil@nikhil:~$ vi demo  
nikhil@nikhil:~$ chmod 755 demo  
nikhil@nikhil:~$ ./demo  
Total no. of command line arguments are 0  
./demo is file name  
is first argument  
is second argument  
All of them are: ./demo or  
nikhil@nikhil:~$ ./demo Hello world  
Total no. of command line arguments are 2  
./demo is file name  
Hello is first argument  
world is second argument  
All of them are: ./demo or Hello world  
nikhil@nikhil:~$ cp demo ~/bin  
nikhil@nikhil:~$ demo  
Command 'demo' not found, did you mean:  
command 'deno' from snap deno (v1.27.2)  
command 'nemo' from deb nemo (1.7.1-4)  
command 'nemo' from deb nemo (5.2.4-1)  
command 'idemo' from deb lttools-bin (2.0.11d.a1-1build1)  
See 'snap info <snapname>' for additional versions.  
nikhil@nikhil:~$ demo Hello world  
Command 'demo' not found, did you mean:  
command 'deno' from snap deno (v1.27.2)  
command 'nemo' from deb nemo (5.2.4-1)  
command 'nemo' from deb nemo (1.7.1-4)  
command 'idemo' from deb lttools-bin (2.0.11d.a1-1build1)  
See 'snap info <snapname>' for additional versions.  
nikhil@nikhil:~$ ./demo Hello World  
Total no. of command line arguments are 2  
./demo is file name  
Hello is first argument
```

```
Activities Terminal Feb 6 14:34 nikhil@nikhil:~  
a-add.t  
a-addition_1.t  
a-addition_1.o  
a-addition_1.s  
a-addition.l  
a-addition.s  
a-add.o  
a-add.s  
add.c  
addition_1.c  
addition_1.s  
addition.c  
a.out  
a-ppl_assignment_2.t  
a-ppl_assignment_2.o  
a-ppl_assignment_2.s  
archive.zip  
assignment1.c  
assignment7.c  
Assignment7.c.c  
Assignment7.c  
Assignment8.c  
Assignment9.c  
BASH_SCRIPTING  
bin  
command.insert  
deno  
Desktop  
[doc1.sh]  
doc1.sh  
doc2  
[doc2.sh]
```

```
Activities Terminal Feb 6 14:44 nikhil@nikhil:~/BASH_SCRIPTING  
nikhil@nikhil:~/BASH_SCRIPTING$ vi second.sh  
nikhil@nikhil:~/BASH_SCRIPTING$ vi third.sh  
nikhil@nikhil:~/BASH_SCRIPTING$ ls>thrd.sh  
nikhil@nikhil:~/BASH_SCRIPTING$ vi thrd.sh  
nikhil@nikhil:~/BASH_SCRIPTING$ ls >> thrd.sh  
nikhil@nikhil:~/BASH_SCRIPTING$ vi third.sh  
nikhil@nikhil:~/BASH_SCRIPTING$ date >> Fourth.sh  
nikhil@nikhil:~/BASH_SCRIPTING$ vi fourth.sh  
nikhil@nikhil:~/BASH_SCRIPTING$
```



```
Activities Terminal Feb 6 15:12
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$ tr "[a-z]" "[A-Z]" <sname> caps_name
tr: missing operand after '[a-z][A-Z]'
Two strings must be given when translating.
Try 'tr --help' for more information.
nikhil@nikhil:~/BASH_SCRIPTING$ tr "[a-z]" "[A-Z]"
nikhil@nikhil:~/BASH_SCRIPTING$ cat caps_name
VIVEK
ASHU
ZEBRA
BABAU
nikhil@nikhil:~/BASH_SCRIPTING$ vi fifth.sh
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x fifth.sh
nikhil@nikhil:~/BASH_SCRIPTING$ ./fifth.sh
caps_name
fifth.sh
fourth.sh
second.sh
sname
sortedname
third.sh
nikhil@nikhil:~/BASH_SCRIPTING$ ls | more
caps_name
fifth.sh
fourth.sh
second.sh
sname
sortedname
third.sh
nikhil@nikhil:~/BASH_SCRIPTING$
```

```
Activities Terminal Feb 6 15:18
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$ who | sort
nikhil tty2 2023-02-06 13:37 (tty2)
nikhil@nikhil:~/BASH_SCRIPTING$ who | sort >user_list
nikhil@nikhil:~/BASH_SCRIPTING$ vi user_list
nikhil@nikhil:~/BASH_SCRIPTING$ who | wc -l
wc -l: command not found
nikhil@nikhil:~/BASH_SCRIPTING$ who wc -l
nikhil@nikhil:~/BASH_SCRIPTING$ ls -l | wc -l
9
nikhil@nikhil:~/BASH_SCRIPTING$ who | grep nothing
nikhil@nikhil:~/BASH_SCRIPTING$ who | grep nikhil
nikhil tty2 2023-02-06 13:37 (tty2)
nikhil@nikhil:~/BASH_SCRIPTING$
```

```
Activities Terminal Feb 6 15:26
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$
shu
babau
vivek
zebra
"u_sname" 4 lines, 24 bytes
```

```
Activities Terminal Feb 6 15:42
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$ bc
bc 1.07.1
Copyright 1991-1994, 1997, 1998, 2000, 2004, 2006, 2008, 2012-2017 Free Software Foundation, Inc.
This is free software with ABSOLUTELY NO WARRANTY.
For details type 'warranty'.
5+2
7
5-2
3
5/2
2
5>2
1
5<2
0
5>12
0
5==10
0
5!=2
1
5==5
1
12<2
0
```

```
Activities Terminal Feb 6 15:55
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$ cat > trnlf
if rm $1
then
echo "$1 is deleted"
fi
nikhil@nikhil:~/BASH_SCRIPTING$ chmod 755 trnlf
chmod: cannot access 'trnlf': No such file or directory
nikhil@nikhil:~/BASH_SCRIPTING$ chmod 755 trnlf
rm: cannot remove 'foo': No such file or directory
nikhil@nikhil:~/BASH_SCRIPTING$ ./trnlf bar
rm: cannot remove 'bar': No such file or directory
nikhil@nikhil:~/BASH_SCRIPTING$ ./trnlf
rm: missing operand
Try 'rm --help' for more information.
nikhil@nikhil:~/BASH_SCRIPTING$ ./trnlf third.sh
third.sh is deleted
nikhil@nikhil:~/BASH_SCRIPTING$
```

```
Activities Terminal Feb 6 16:02
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$ cat > ispositive
if test $1 -gt 0
then
echo "$1 is positive"
fi
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x ispositive
nikhil@nikhil:~/BASH_SCRIPTING$ ispositive 5
ispositive: command not found
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive 5
5 is positive
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive -45
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive 0
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive 0.01
./ispositive: line 1: test: 0.01: integer expression expected
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive
./ispositive: line 1: test: -gt: unary operator expected
nikhil@nikhil:~/BASH_SCRIPTING$
```

```
Activities Terminal Feb 6 16:10
nikhil@nikhil: ~/BASH_SCRIPTING

nikhil@nikhil:~/BASH_SCRIPTING$ cat > ispositive
#!/bin/bash
if test $1 -gt 0
then
echo "$1 is positive"
fi
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x ispositive
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive 5
ispositive: command not found
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive 5
5 is positive
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive -45
./ispositive: line 1: test: 0.01: integer expression expected
nikhil@nikhil:~/BASH_SCRIPTING$ ./ispositive 0
./ispositive: line 1: test: -gt: unary operator expected
nikhil@nikhil:~/BASH_SCRIPTING$ cat > sixth.sh
#!/bin/bash
if test 5 -ne 6
then
echo " 5 isnot equal to 6 "
fi
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x sixth.sh
nikhil@nikhil:~/BASH_SCRIPTING$ ./sixth.sh
5 isnot equal to 6
nikhil@nikhil:~/BASH_SCRIPTING$
```

```
Activities Terminal Feb 6 16:52
nikhil@nikhil: ~/BASH_SCRIPTING

nikhil@nikhil:~/BASH_SCRIPTING$ cat > for
#!/bin/bash
for((i=0;i<=5;i++))
do
echo "$i welcomes you "
done
nikhil@nikhil:~/BASH_SCRIPTING$ ./for
bash: ./for: Permission denied
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x for
nikhil@nikhil:~/BASH_SCRIPTING$ ./for
0 welcomes you
1 welcomes you
2 welcomes you
3 welcomes you
4 welcomes you
5 welcomes you
nikhil@nikhil:~/BASH_SCRIPTING$
```



```
Activities Terminal Feb 6 17:15
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$ cat > nt1
if[$? -eq 0]
then
echo "Error"
exit 1
fi
n=$1
t=1
while [ $t -le 10]
do
echo "$n * $t = `expr $n \* $t ` "
t=`expr $t + 1 `
done
nikhil@nikhil:~/BASH_SCRIPTING$ chmod + 755 nt1
chmod: cannot access '755': No such file or directory
nikhil@nikhil:~/BASH_SCRIPTING$ chmod 755 nt1
./nt1: line 1: if[1 -eq 0]: command not found
./nt1: line 2: syntax error near unexpected token `then'
./nt1: line 2: `then '
nikhil@nikhil:~/BASH_SCRIPTING$ cat > nt1
if[$? -eq 0]
then
echo "Error"
```

```
Activities Terminal Feb 7 17:41
nikhil@nikhil: ~
nikhil@nikhil:~$ cat > new
echo a(b,d,c)e
nikhil@nikhil:~$ chmod +x new
nikhil@nikhil:~$ ./new
abe ade ace
nikhil@nikhil:~$ echo (A....Z)
(A....Z)
nikhil@nikhil:~$ mkdir z(1..10)
nikhil@nikhil:~$ ls
a-add.1 a.out bin fp.c nano.3741.save Public TV 25
a-addition.1.a a-ppl_assignment_2.1 command.insert glnfo new s1.sh 'Untitled Document 1' 26
a-addition.1.o a-ppl_assignment_2.o demo hello1.sh notepad.txt s1.sh.save Videos 27
a-addition.1.s a-ppl_assignment_2.s Desktop hello.sh n.sh s2.sh way1 28
a-addition.x archive.zip '[doc1.sh]' hello_world.sh Pictures s3.txt way3 29
a-addition.s assignment1.c doc1.sh hello_world.shCLEAR PPL1.c s4.txt way4
a-add.o assignment7.c doc2 ht PPL_add.c sayM way5
a-add.s Assignment7.c '[doc2.sh]' index.html ppl_assignment1.c second.sh z1
add.c Assignment7.c Documents index.html.1 PPL_assignment1.c snap z10
addition.1.c Assignment8.c Downloads Insert ppl_assignment2.c s1 z2
addition.1.s Assignment9.c BFL Music ppl_assignment2.s Templates z3
addition.c BASH_SCRIPTING first.sh nano.13006.save PPL.c test.sh z4
nikhil@nikhil:~$ echo (A..Z)
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
nikhil@nikhil:~$
```

```
Activities Terminal Feb 7 17:53
nikhil@nikhil: ~/BASH_SCRIPTING
nikhil@nikhil:~/BASH_SCRIPTING$ cat > seventh.sh
a=4
((a++))
echo $a
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x seventh.sh
nikhil@nikhil:~/BASH_SCRIPTING$ ./seventh.sh
5
nikhil@nikhil:~/BASH_SCRIPTING$ cat eigthth.sh
cat: eigthth.sh: No such file or directory
nikhil@nikhil:~/BASH_SCRIPTING$ cat > eigth.sh
b=8
unset b
((b--))
echo $b
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x eigthth.sh
chmod: cannot access 'eigthth.sh': No such file or directory
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x eigthth.sh
chmod: cannot access 'eigthth.sh': No such file or directory
nikhil@nikhil:~/BASH_SCRIPTING$ chmod +x eigth.sh
nikhil@nikhil:~/BASH_SCRIPTING$ ./eigth.sh
-1
nikhil@nikhil:~/BASH_SCRIPTING$
```

