

Output :

```
admin1@admin1-MS-7D48:~/Desktop$ cat [abc]>[def]
cat: '[abc]': No such file or directory
admin1@admin1-MS-7D48:~/Desktop$ cat abc>def
cat: abc: No such file or directory
admin1@admin1-MS-7D48:~/Desktop$ cat abc.txt>def.txt
admin1@admin1-MS-7D48:~/Desktop$ cat def.txt
Hii This is the Operating System Practical.
Thank you!
admin1@admin1-MS-7D48:~/Desktop$ touch -a def.txt
admin1@admin1-MS-7D48:~/Desktop$ stat def.txt
  File: def.txt
  Size: 55          Blocks: 8          IO Block: 4096   regular file
Device: 10307h/66311d Inode: 9437712    Links: 1
Access: (0664/-rw-rw-r-- )  Uid: ( 1000/  admin1)   Gid: ( 1000/  admin1)
Access: 2024-07-16 16:56:41.732826934 +0530
Modify: 2024-07-16 16:53:58.562379365 +0530
Change: 2024-07-16 16:56:41.732826934 +0530
 Birth: -
admin1@admin1-MS-7D48:~/Desktop$ touch -m def.txt
admin1@admin1-MS-7D48:~/Desktop$ stat def.txt
  File: def.txt
  Size: 55          Blocks: 8          IO Block: 4096   regular file
Device: 10307h/66311d Inode: 9437712    Links: 1
Access: (0664/-rw-rw-r-- )  Uid: ( 1000/  admin1)   Gid: ( 1000/  admin1)
Access: 2024-07-16 16:56:41.732826934 +0530
Modify: 2024-07-16 16:57:47.307485825 +0530
Change: 2024-07-16 16:57:47.307485825 +0530
 Birth: -
admin1@admin1-MS-7D48:~/Desktop$ ls
abc.txt  as.txt  def      def.txt  Gayatri  'Niraj OS'  OS      ps.txt  qwe      shweta
admin  '[def]' '[def.txt]' dr       jagdish  oprating    practical python.py  sa.txt   users
admin1@admin1-MS-7D48:~/Desktop$
```

```
admin1@admin1-MS-7D48:~/Desktop$ test abc = def
admin1@admin1-MS-7D48:~/Desktop$ test abc = abc && echo "same"
same
admin1@admin1-MS-7D48:~/Desktop$ test 5 -eq 7 && echo "same"
admin1@admin1-MS-7D48:~/Desktop$ test 7 -eq 7 && echo "same"
same
admin1@admin1-MS-7D48:~/Desktop$ test abc -nt def && echo "same"
```

```
admin1@admin1-MS-7D48:~$ read
Hii
admin1@admin1-MS-7D48:~$ echo $REPLY
Hii
admin1@admin1-MS-7D48:~$ read var1
Linux
admin1@admin1-MS-7D48:~$ read $var1
Operating System
admin1@admin1-MS-7D48:~$ echo $REPLY
Hii
admin1@admin1-MS-7D48:~$ read var1
Linux operating system
admin1@admin1-MS-7D48:~$ echo $REPLY
Hii
admin1@admin1-MS-7D48:~$ echo $var1
Linux operating system
admin1@admin1-MS-7D48:~$ read -p "enter your age:"
enter your age:20
admin1@admin1-MS-7D48:~$ echo "my age is $REPLY"
my age is 20
admin1@admin1-MS-7D48:~$ read -n 6 -p "enter 6 char only:"
enter 6 char only:abcdefadmin1@admin1-MS-7D48:~$ echo $REPLY
abcdef
admin1@admin1-MS-7D48:~$ read -s -p "enter pass:"
enter pass:admin1@admin1-MS-7D48:~$ read -s -p "enter pass: "
enter pass: admin1@admin1-MS-7D48:~$ echo $REPLY
9876233342323334343
admin1@admin1-MS-7D48:~$
admin1@admin1-MS-7D48:~$
admin1@admin1-MS-7D48:~$
admin1@admin1-MS-7D48:~$
admin1@admin1-MS-7D48:~$
```

```
admin1@admin1-MS-7D48:~$ ls
1 Desktop Documents Downloads Music Pictures Practical Public Templates Videos
admin1@admin1-MS-7D48:~$ ls -a
. .1 .bash_history .bash_logout .cache Desktop Downloads .local Music Practical Public Templates
.. .bash_history .bashrc .config Documents .gnupg .mozilla Pictures .profile .ssh Videos
admin1@admin1-MS-7D48:~$ ls -h
1 Desktop Documents Downloads Music Pictures Practical Public Templates Videos
admin1@admin1-MS-7D48:~$ ls -lh
total 40K
drwxrwxr-x 2 admin1 admin1 4.0K Jul 15 11:07 1
drwxr-xr-x 12 admin1 admin1 4.0K Jul 16 16:21 Desktop
drwxr-xr-x 4 admin1 admin1 4.0K Jul 11 10:56 Documents
drwxr-xr-x 3 admin1 admin1 4.0K Jul 12 15:25 Downloads
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Music
drwxr-xr-x 2 admin1 admin1 4.0K Jul 16 16:24 Pictures
drwxrwxr-x 3 admin1 admin1 4.0K Jul 16 10:53 Practical
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Public
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Templates
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Videos
admin1@admin1-MS-7D48:~$ ls -lhS
total 40K
drwxrwxr-x 2 admin1 admin1 4.0K Jul 15 11:07 1
drwxr-xr-x 12 admin1 admin1 4.0K Jul 16 16:21 Desktop
drwxr-xr-x 4 admin1 admin1 4.0K Jul 11 10:56 Documents
drwxr-xr-x 3 admin1 admin1 4.0K Jul 12 15:25 Downloads
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Music
drwxr-xr-x 2 admin1 admin1 4.0K Jul 16 16:24 Pictures
drwxrwxr-x 3 admin1 admin1 4.0K Jul 16 10:53 Practical
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Public
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Templates
drwxr-xr-x 2 admin1 admin1 4.0K Jul 10 10:58 Videos
admin1@admin1-MS-7D48:~$
```

```
admin1@admin1-MS-7D48:~$ echo -e "Hello!"
Hello!
admin1@admin1-MS-7D48:~$ echo -E "Hello! World"
Hello! World
admin1@admin1-MS-7D48:~$ echo --help
--help
admin1@admin1-MS-7D48:~$ echo --help "Hello"
--help Hello
admin1@admin1-MS-7D48:~$ echo -e 'Hll, \nmy, \nname, \nls, \nUbuntu!'
Hll,
my,
name,
ls,
Ubuntu!
admin1@admin1-MS-7D48:~$ echo -e 'Hll, \nmy \nname \nls \nUbuntu!'
Hll,
my
name
ls
Ubuntu!
admin1@admin1-MS-7D48:~$ echo -e 'Hll, \bmy \bname \bis \bUbuntu!'
Hll, mynameisUbuntu!
admin1@admin1-MS-7D48:~$ echo -e 'Hll, \vmy \vname \vis \vUbuntu!'
Hll,
my
name
is
Ubuntu!
admin1@admin1-MS-7D48:~$ echo -e 'Hll, \tny \tname \tis \tUbuntu!'
Hll, my name is Ubuntu!
admin1@admin1-MS-7D48:~$ echo -e '\033[1;37mWhite'
White
admin1@admin1-MS-7D48:~$ echo -e '\033[0;37mRed'
Red
admin1@admin1-MS-7D48:~$ echo -e '\033[0;31mRED'
RED
admin1@admin1-MS-7D48:~$ echo -e '\033[0;30mBlack'
Black
admin1@admin1-MS-7D48:~$ echo -e '\033[0;32mGreen'
Green
admin1@admin1-MS-7D48:~$ echo -e '\033[0;34mBlue'
Blue
admin1@admin1-MS-7D48:~$
```

```
admin1@admin1-MS-7D48: ~/Desktop/70_IT

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

admin1@admin1-MS-7D48:~/Desktop/70_IT$ touch forloops.sh
admin1@admin1-MS-7D48:~/Desktop/70_IT$ ./forloops.sh
bash: ./forloops.sh: Permission denied
admin1@admin1-MS-7D48:~/Desktop/70_IT$ chmod 777
chmod: missing operand after '777'
Try 'chmod --help' for more information.
admin1@admin1-MS-7D48:~/Desktop/70_IT$ chmod 777 forloops.sh
admin1@admin1-MS-7D48:~/Desktop/70_IT$ ./forloops.sh
Current # 1
Current # 2
Current # 3
admin1@admin1-MS-7D48:~/Desktop/70_IT$ ./forloops.sh
My name is John
My name is Jack
My name is Mary
admin1@admin1-MS-7D48:~/Desktop/70_IT$ ./forloops.sh
Number = 1
Number = 3
Number = 5
Number = 7
Number = 9
admin1@admin1-MS-7D48:~/Desktop/70_IT$ ./forloops.sh
./forloops.sh: line 5: ./ command not found
```

```
admin1@admin1-MS-7D48:~/Desktop/70_IT$ ./forloops.sh
0
1
2
3
4
5
6
7
8
9
Number = 1
Number = 3
Number = 5
Number = 7
Number = 9
admin1@admin1-MS-7D48:~/Desktop/70_IT$
```

```
admin1@admin1-MS-7D48:~$
admin1@admin1-MS-7D48:~$ cd Desktop/
admin1@admin1-MS-7D48:~/Desktop$ cd Niraj OS/
bash: cd: too many arguments
admin1@admin1-MS-7D48:~/Desktop$ cat abc.txt
cat: abc.txt: No such file or directory
admin1@admin1-MS-7D48:~/Desktop$ cat>abc.txt
Hii This the Operating System practical.
Thank you!^C
admin1@admin1-MS-7D48:~/Desktop$ cat abc.txt
Hii This the Operating System practical.
admin1@admin1-MS-7D48:~/Desktop$ cat>abc.txt
Hii This is the Operating System Practical.
Thank you!
^C
admin1@admin1-MS-7D48:~/Desktop$ cat abc.txt
Hii This is the Operating System Practical.
Thank you!
admin1@admin1-MS-7D48:~/Desktop$ touch def.txt
admin1@admin1-MS-7D48:~/Desktop$ cat def.txt
admin1@admin1-MS-7D48:~/Desktop$ cat[abc.txt]>[def.txt]
cat[abc.txt]: command not found
admin1@admin1-MS-7D48:~/Desktop$ cat [abc.txt]>[def.txt]
cat: '[abc.txt]': No such file or directory
admin1@admin1-MS-7D48:~/Desktop$ cat [abc]>[def]
cat: '[abc]': No such file or directory
admin1@admin1-MS-7D48:~/Desktop$ cat abc>def
cat: abc: No such file or directory
admin1@admin1-MS-7D48:~/Desktop$ cat abc.txt>def.txt
admin1@admin1-MS-7D48:~/Desktop$ cat def.txt
Hii This is the Operating System Practical.
Thank you!
```