

Ans 1]

```
shree@DESKTOP-SKI6306: ~/c
shree@DESKTOP-SKI6306:~/c$ -lh
-lh: command not found
shree@DESKTOP-SKI6306:~/c$ ls -lh
total 0
drwxrwxrwx 1 shree shree 4.0K Oct 8 18:24
-rw-rw-rw- 1 shree shree 0 Oct 8 18:25 c.txt
shree@DESKTOP-SKI6306:~/c$ alias amit='ls -lh'
shree@DESKTOP-SKI6306:~/c$ amit
total 0
drwxrwxrwx 1 shree shree 4.0K Oct 8 18:24
-rw-rw-rw- 1 shree shree 0 Oct 8 18:25 c.txt
shree@DESKTOP-SKI6306:~/c$
```

B]

```
Select shree@DESKTOP-SKI6306: ~/c
shree@DESKTOP-SKI6306:~/c$ cd..
cd..: command not found
shree@DESKTOP-SKI6306:~/c$
shree@DESKTOP-SKI6306:~/c$ cd ..
shree@DESKTOP-SKI6306:~$ ls
9 amit.txt argument array demo file fu hi1 if ifelse my new pgrm prob read rob2
shree@DESKTOP-SKI6306:~$ cd c
shree@DESKTOP-SKI6306:~/c$ ls
c.txt
shree@DESKTOP-SKI6306:~/c$
```

A]

```
shree@DESKTOP-SKI6306: ~/a/c
shree@DESKTOP-SKI6306:~/c$ cd..
cd..: command not found
shree@DESKTOP-SKI6306:~/c$
shree@DESKTOP-SKI6306:~/c$ cd ..
shree@DESKTOP-SKI6306:~$ ls
9  amit.txt  argument  array  demo  file  fu  hi1  if  ifelse  my  new  prgm  prob  read  rob2
shree@DESKTOP-SKI6306:~$ cd c
shree@DESKTOP-SKI6306:~/c$ ls
c.txt
shree@DESKTOP-SKI6306:~/c$ ls
c.txt
shree@DESKTOP-SKI6306:~/c$ cd ..
shree@DESKTOP-SKI6306:~$ ls
9  amit.txt  argument  array  demo  file  fu  hi1  if  ifelse  my  new  prgm  prob  read  rob2
shree@DESKTOP-SKI6306:~$ cd a
shree@DESKTOP-SKI6306:~/a$ ls
a.txt
shree@DESKTOP-SKI6306:~/a$ cd ..
shree@DESKTOP-SKI6306:~$ cd b
-bash: cd: b: No such file or directory
shree@DESKTOP-SKI6306:~$ cd a
shree@DESKTOP-SKI6306:~/a$ ls
a.txt
shree@DESKTOP-SKI6306:~/a$ cd c
shree@DESKTOP-SKI6306:~/a/c$ ls
c.txt
shree@DESKTOP-SKI6306:~/a/c$
```

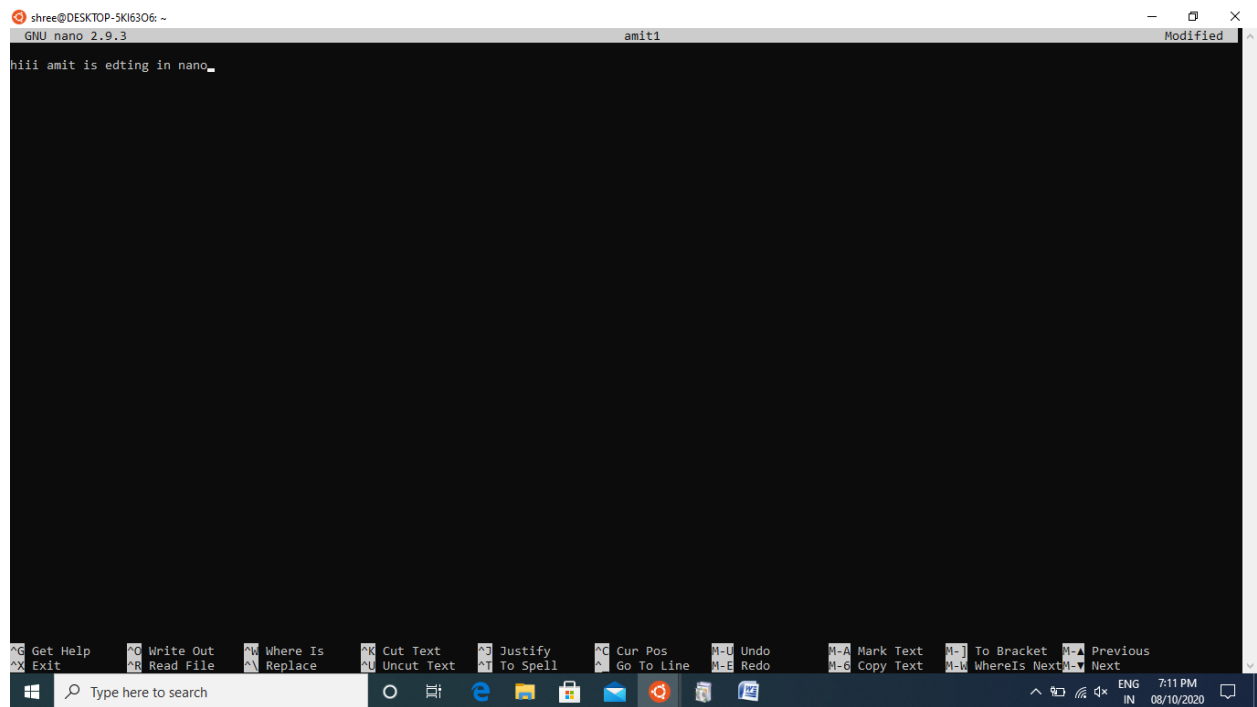
Ans 3]

A]

```
shree@DESKTOP-SKI6306: ~
shree@DESKTOP-SKI6306:~$ cd a
shree@DESKTOP-SKI6306:~/a$ cat a.txt
sun is so powerful
my dress is very clean
what are doing
shree@DESKTOP-SKI6306:~/a$
shree@DESKTOP-SKI6306:~/a$ grep s a.txt
sun is so powerful
my dress is very clean
shree@DESKTOP-SKI6306:~/a$ cd ..
shree@DESKTOP-SKI6306:~$ touch b.txt
shree@DESKTOP-SKI6306:~$ touch c.txt
shree@DESKTOP-SKI6306:~$ cat > b.txt
hello everyone
i am amit
i like to go outside for travelling
shree@DESKTOP-SKI6306:~$ cat > c.txt
where are your going sunil
shree@DESKTOP-SKI6306:~$ grep s

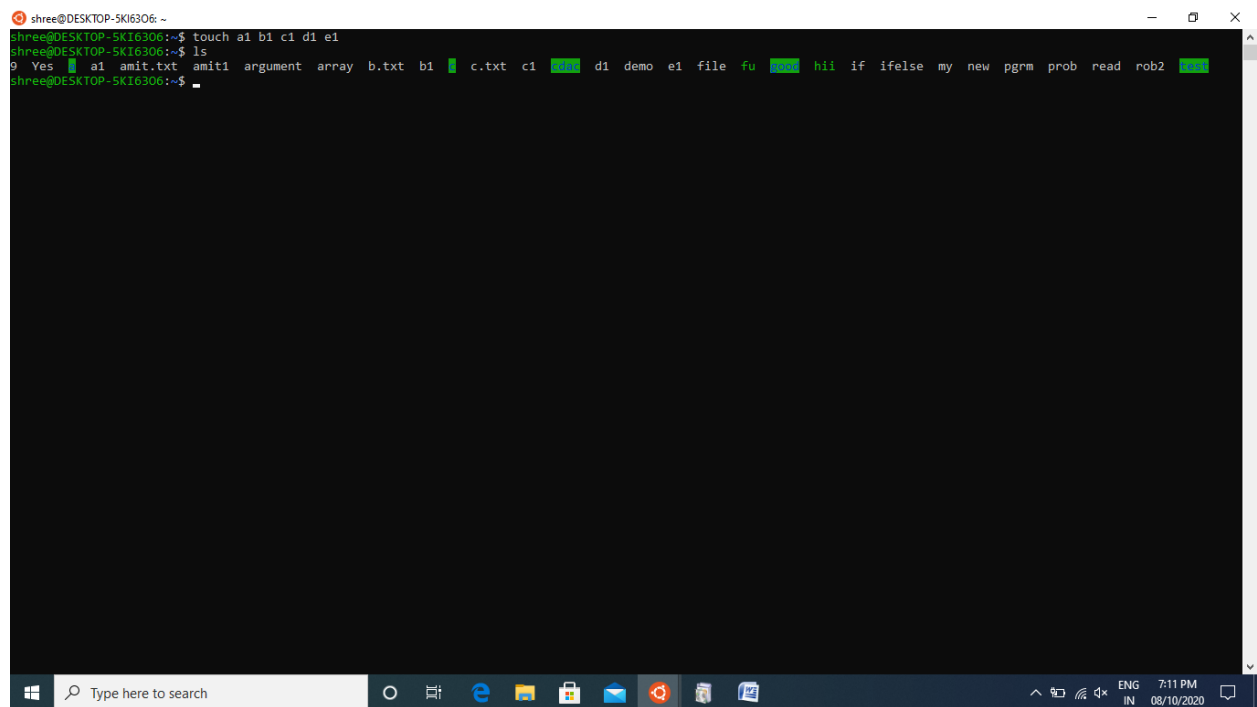
^[[shree@DESKTOP-SKI6306:~$ grep s a
grep: a: Is a directory
shree@DESKTOP-SKI6306:~$ grep s b.txt
i like to go outside for travelling
shree@DESKTOP-SKI6306:~$ grep s c.txt
where are your going sunil
shree@DESKTOP-SKI6306:~$
```

B]



A screenshot of a Windows desktop environment. A terminal window titled "shree@DESKTOP-SK16306: ~" is open, running the GNU nano 2.9.3 text editor. The editor is editing a file named "amit1". The first line of the file contains the text "hiii amit is edting in nano\_". The nano editor's menu bar is visible at the bottom of the window, showing options like "Get Help", "Write Out", "Where Is", "Cut Text", "Justify", "Cur Pos", "Undo", "Mark Text", "To Bracket", "Previous", "Exit", "Read File", "Replace", "Uncut Text", "To Spell", "Go To Line", "Redo", "Copy Text", "WhereIs Next", and "Next". The Windows taskbar is visible at the bottom of the screen, showing the search bar and several application icons. The system tray on the right indicates the date and time as 08/10/2020, 7:11 PM.

C]



A screenshot of a Windows desktop environment. A terminal window titled "shree@DESKTOP-SK16306: ~" is open, showing a series of commands and their output. The commands and output are as follows:  
shree@DESKTOP-SK16306:~\$ touch a1 b1 c1 d1 e1  
shree@DESKTOP-SK16306:~\$ ls  
9 Yes a1 amit.txt amit1 argument array b.txt b1 c.txt c1 demo d1 demo e1 file fu hii if ifelse my new pgm prob read rob2  
shree@DESKTOP-SK16306:~\$  
The output of the 'ls' command shows a directory listing with various files and folders, including 'a1', 'amit.txt', 'amit1', 'argument', 'array', 'b.txt', 'b1', 'c.txt', 'c1', 'demo', 'd1', 'demo', 'e1', 'file', 'fu', 'hii', 'if', 'ifelse', 'my', 'new', 'pgm', 'prob', 'read', 'rob2'. The Windows taskbar is visible at the bottom of the screen, showing the search bar and several application icons. The system tray on the right indicates the date and time as 08/10/2020, 7:11 PM.

D]

```
shree@DESKTOP-SKI6306: ~  
shree@DESKTOP-SKI6306:~$ ls  
9 Yes  amit.txt amit1.save argument array b.txt c.txt demo e1 file fu hii if ifelse my new pgrm prob read rob2  
shree@DESKTOP-SKI6306:~$ rmdir -r a b c  
rmdir: invalid option -- 'r'  
Try 'rmdir --help' for more information.  
shree@DESKTOP-SKI6306:~$ rm -r a b c  
rm: cannot remove 'b': No such file or directory  
shree@DESKTOP-SKI6306:~$ ls  
9 Yes  amit.txt amit1.save argument array b.txt c.txt demo e1 file fu hii if ifelse my new pgrm prob read rob2  
shree@DESKTOP-SKI6306:~$
```

Ans 4

A]

```
shree@DESKTOP-SKI6306: ~  
shree@DESKTOP-SKI6306:~$ touch file  
shree@DESKTOP-SKI6306:~$ vi file  
shree@DESKTOP-SKI6306:~$ ls  
9 Yes  amit.txt amit1.save argument array b.txt c.txt demo e1 file fu hii if ifelse my new pgrm prob read rob2  
shree@DESKTOP-SKI6306:~$ vi file  
shree@DESKTOP-SKI6306:~$ cat file  
hellllo  
i ma hhdjhfs  
fakfhjdjsfdfsahsa;fhskjfsf  
fksfshfkdsjfahfsfjslfs  
jfsjfhshkfhjsjfskfsa  
fsjhfsdfhksafhsf  
fsdsfasjfhshdflshf  
fdasfjafhjefhdsf  
fsfhsakjfhfdfs  
sahfdfsjhdfjs  
fkshtfsjkdksafas  
fdjfsahfjshfksafsf  
sfsfhsjfhfsajkhj  
fhasjkfhf  
fafkasjfk  
shree@DESKTOP-SKI6306:~$
```

B)

```
shree@DESKTOP-SKI6306: ~  
shree@DESKTOP-SKI6306:~$ touch file  
shree@DESKTOP-SKI6306:~$ vi file  
shree@DESKTOP-SKI6306:~$ ls  
9 Yes amit.txt amit1.save argument array b.txt c.txt demo e1 file fu hii if ifelse my new pgm prob read rob2  
shree@DESKTOP-SKI6306:~$ cat file  
hellllo  
i ma hhdjhfs  
fakfhjdjsfdfsfsa;fhskjfsf  
fskfshfkdsjfahfsfjlsfss  
jfsjfhshkfhfsjfskfsa  
fsjhfsdfhksafhsf  
fsdsfasjfsdhfklshf  
fdasfjafhjafhdsf  
fsfhsakjfhfdfs  
sahfdfsjhdfjs  
fkshfsjkdkasafas  
fdjfsahfjshfkasafsf  
sfsfhsjfhhsajkfjhj  
fhasjkfhf  
fafkasjfk  
shree@DESKTOP-SKI6306:~$ cat -n file  
1 hellllo  
2 i ma hhdjhfs  
3 fakfhjdjsfdfsfsa;fhskjfsf  
4 fskfshfkdsjfahfsfjlsfss  
5 jfsjfhshkfhfsjfskfsa  
6 fsjhfsdfhksafhsf  
7 fsdsfasjfsdhfklshf  
8 fdasfjafhjafhdsf  
9 fsfhsakjfhfdfs  
10 sahfdfsjhdfjs  
11 fkshfsjkdkasafas  
12 fdjfsahfjshfkasafsf  
13 sfsfhsjfhhsajkfjhj  
14 fhasjkfhf  
15 fafkasjfk  
shree@DESKTOP-SKI6306:~$
```

C)

```
shree@DESKTOP-SKI6306: ~  
jfsjfhshkfhfsjfskfsa  
fsjhfsdfhksafhsf  
fsdsfasjfsdhfklshf  
fdasfjafhjafhdsf  
fsfhsakjfhfdfs  
sahfdfsjhdfjs  
fkshfsjkdkasafas  
fdjfsahfjshfkasafsf  
sfsfhsjfhhsajkfjhj  
fhasjkfhf  
fafkasjfk  
shree@DESKTOP-SKI6306:~$ cat -n file  
1 hellllo  
2 i ma hhdjhfs  
3 fakfhjdjsfdfsfsa;fhskjfsf  
4 fskfshfkdsjfahfsfjlsfss  
5 jfsjfhshkfhfsjfskfsa  
6 fsjhfsdfhksafhsf  
7 fsdsfasjfsdhfklshf  
8 fdasfjafhjafhdsf  
9 fsfhsakjfhfdfs  
10 sahfdfsjhdfjs  
11 fkshfsjkdkasafas  
12 fdjfsahfjshfkasafsf  
13 sfsfhsjfhhsajkfjhj  
14 fhasjkfhf  
15 fafkasjfk  
shree@DESKTOP-SKI6306:~$ tac file  
fafkasjfk  
fhasjkfhf  
sfsfhsjfhhsajkfjhj  
fdjfsahfjshfkasafsf  
fkshfsjkdkasafas  
sahfdfsjhdfjs  
fsfhsakjfhfdfs  
fdasfjafhjafhdsf  
fsdsfasjfsdhfklshf  
fsjhfsdfhksafhsf  
jfsjfhshkfhfsjfskfsa  
fakfhjdjsfdfsfsa;fhskjfsf  
fakfhjdjsfdfsfsa;fhskjfsf  
i ma hhdjhfs  
hellllo  
shree@DESKTOP-SKI6306:~$
```

D]

```
shree@DESKTOP-SKI6306: ~  
fsfhsakjfhfdfs  
sahfdfsfdhdfjs  
fkshfsjkdksafas  
fdjfsahfjshfksafsf  
sfsfhsjfhfsajkfjhj  
fhasjkhfhf  
fafkasjfk  
shree@DESKTOP-SKI6306:~$ cat -n file  
1  hellllo  
2  i  ma hhdjhfs  
3  fakfhdsfdfsfsa;fhskjfsf  
4  fskfshfksdjfahfsfjlsfss  
5  jfsjfhshkfhfsjfskfsa  
6  fsjhfsdfhksafhsf  
7  fsdfsasjfsdhfklshf  
8  fdasfjafhjahfhsf  
9  fsfhsakjfhfdfs  
10 sahfsfjhdjfs  
11 fkhfsjkdksafas  
12 fdjfsahfjshfksafsf  
13 sfsfhsjfhfsajkfjhj  
14 fhasjkhfhf  
15 fafkasjfk  
shree@DESKTOP-SKI6306:~$ tac file  
fafkasjfk  
fhasjkhfhf  
sfsfhsjfhfsajkfjhj  
fdjfsahfjshfksafsf  
fkshfsjkdksafas  
sahfsfjhdjfs  
fsfhsakjfhfdfs  
fdasfjafhjahfhsf  
fsdfsasjfsdhfklshf  
fsjhfsdfhksafhsf  
jfsjfhshkfhfsjfskfsa  
fskfshfksdjfahfsfjlsfss  
fakfhdsfdfsfsa;fhskjfsf  
i  ma hhdjhfs  
hellllo  
shree@DESKTOP-SKI6306:~$ touch file2  
shree@DESKTOP-SKI6306:~$ cat file > file2  
shree@DESKTOP-SKI6306:~$  
shree@DESKTOP-SKI6306:~$  
shree@DESKTOP-SKI6306:~$
```

Ans 1]

```
shree@DESKTOP-SKI6306: ~/amit
shree@DESKTOP-SKI6306:~$ cd amit
-bash: cd: amit: No such file or directory
shree@DESKTOP-SKI6306:~$ mkdir amit
shree@DESKTOP-SKI6306:~$ cd amit
shree@DESKTOP-SKI6306:~/amit$ touch a.txt b.txt c.txt d.sh
shree@DESKTOP-SKI6306:~/amit$ ch mod 666 a.txt
ch: command not found
shree@DESKTOP-SKI6306:~/amit$ chmod 666 a.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 666 b.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 444 c.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 111 d.sh
shree@DESKTOP-SKI6306:~/amit$ vi -r d.sh
shree@DESKTOP-SKI6306:~/amit$ chmod 777 d.sh
shree@DESKTOP-SKI6306:~/amit$ vi d.sh
shree@DESKTOP-SKI6306:~/amit$ chmod 111 d.sh
shree@DESKTOP-SKI6306:~/amit$ ls -lt
total 0
--x--x--x 1 shree shree 20 Oct  8 19:28 d.sh
-rw-rw-rw- 1 shree shree  0 Oct  8 19:24 a.txt
-rw-rw-rw- 1 shree shree  0 Oct  8 19:24 b.txt
-r--r--r-- 1 shree shree  0 Oct  8 19:24 c.txt
shree@DESKTOP-SKI6306:~/amit$
```

Ans 2

```
shree@DESKTOP-SKI6306: ~/amit
shree@DESKTOP-SKI6306:~$ cd amit
-bash: cd: amit: No such file or directory
shree@DESKTOP-SKI6306:~$ mkdir amit
shree@DESKTOP-SKI6306:~$ cd amit
shree@DESKTOP-SKI6306:~/amit$ touch a.txt b.txt c.txt d.sh
shree@DESKTOP-SKI6306:~/amit$ ch mod 666 a.txt
ch: command not found
shree@DESKTOP-SKI6306:~/amit$ chmod 666 a.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 666 b.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 444 c.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 111 d.sh
shree@DESKTOP-SKI6306:~/amit$ vi -r d.sh
shree@DESKTOP-SKI6306:~/amit$ chmod 777 d.sh
shree@DESKTOP-SKI6306:~/amit$ vi d.sh
shree@DESKTOP-SKI6306:~/amit$ chmod 111 d.sh
shree@DESKTOP-SKI6306:~/amit$ ls -lt
total 0
--x--x--x 1 shree shree 20 Oct  8 19:28 d.sh
-rw-rw-rw- 1 shree shree  0 Oct  8 19:24 a.txt
-rw-rw-rw- 1 shree shree  0 Oct  8 19:24 b.txt
-r--r--r-- 1 shree shree  0 Oct  8 19:24 c.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 777 a.txt b.txt c.txt d.sh
shree@DESKTOP-SKI6306:~/amit$ ls -lt
total 0
--x--x--x 1 shree shree 20 Oct  8 19:28 d.sh
--x--x--x 1 shree shree  0 Oct  8 19:24 a.txt
--x--x--x 1 shree shree  0 Oct  8 19:24 b.txt
--x--x--x 1 shree shree  0 Oct  8 19:24 c.txt
shree@DESKTOP-SKI6306:~/amit$
```

Ans 3

```
shree@DESKTOP-SKI6306: ~/amit
shree@DESKTOP-SKI6306:~$ cd amit
-bash: cd: amit: No such file or directory
shree@DESKTOP-SKI6306:~$ mkdir amit
shree@DESKTOP-SKI6306:~$ cd amit
shree@DESKTOP-SKI6306:~/amit$ touch a.txt b.txt c.txt d.sh
shree@DESKTOP-SKI6306:~/amit$ ch mod 666 a.txt
ch: command not found
shree@DESKTOP-SKI6306:~/amit$ chmod 666 a.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 666 b.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 444 c.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 111 d.sh
shree@DESKTOP-SKI6306:~/amit$ vi -r d.sh
shree@DESKTOP-SKI6306:~/amit$ chmod 777 d.sh
shree@DESKTOP-SKI6306:~/amit$ vi d.sh
shree@DESKTOP-SKI6306:~/amit$ chmod 111 d.sh
shree@DESKTOP-SKI6306:~/amit$ ls -lt
total 0
--x--x--x 1 shree shree 20 Oct  8 19:28 d.sh
-rw-rw-rw- 1 shree shree  0 Oct  8 19:24 a.txt
-rw-rw-rw- 1 shree shree  0 Oct  8 19:24 b.txt
-r--r--r-- 1 shree shree  0 Oct  8 19:24 c.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 777 a.txt b.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 111 a.txt b.txt c.txt d.sh
shree@DESKTOP-SKI6306:~/amit$ ls -lt
total 0
--x--x--x 1 shree shree 20 Oct  8 19:28 d.sh
--x--x--x 1 shree shree  0 Oct  8 19:24 a.txt
--x--x--x 1 shree shree  0 Oct  8 19:24 b.txt
--x--x--x 1 shree shree  0 Oct  8 19:24 c.txt
shree@DESKTOP-SKI6306:~/amit$ chmod 444 a.txt b.txt c.txt d.txt
chmod: cannot access 'd.txt': No such file or directory
shree@DESKTOP-SKI6306:~/amit$ chmod 444 a.txt b.txt c.txt d.sh
shree@DESKTOP-SKI6306:~/amit$ ls -lt
total 0
-r--r--r-- 1 shree shree 20 Oct  8 19:28 d.sh
-r--r--r-- 1 shree shree  0 Oct  8 19:24 a.txt
-r--r--r-- 1 shree shree  0 Oct  8 19:24 b.txt
-r--r--r-- 1 shree shree  0 Oct  8 19:24 c.txt
shree@DESKTOP-SKI6306:~/amit$
```

Ans 4

```
shree@DESKTOP-SKI6306: ~
shree@DESKTOP-SKI6306:~$ echo *
0 Yes amit amit.txt amit1.save argument array b.txt c.txt cdac demo e1 fu good hii if ifelse my new prgm prob read rob2 test
shree@DESKTOP-SKI6306:~$
```



## Ans 5

```
shree@DESKTOP-5K16306: ~/cdac
shree@DESKTOP-5K16306:~$ echo *
9 Yes amit amit.txt amit1.save argument array b.txt c.txt cdac demo e1 fu good hii if ifelse my new pgrm prob read rob2 test
shree@DESKTOP-5K16306:~$ ls
9 Yes amit amit.txt amit1.save argument array b.txt c.txt cdac demo e1 fu good hii if ifelse my new pgrm prob read rob2 test
shree@DESKTOP-5K16306:~$ cd cdac
shree@DESKTOP-5K16306:~/cdac$ echo *
a.out downhill expr exprf fun gen pid.c pra prat switch
shree@DESKTOP-5K16306:~/cdac$
```

## Ans 6

```
shree@DESKTOP-5K16306: ~/cdac
shree@DESKTOP-5K16306:~$ echo *
9 Yes amit amit.txt amit1.save argument array b.txt c.txt cdac demo e1 fu good hii if ifelse my new pgrm prob read rob2 test
shree@DESKTOP-5K16306:~$ ls
9 Yes amit amit.txt amit1.save argument array b.txt c.txt cdac demo e1 fu good hii if ifelse my new pgrm prob read rob2 test
shree@DESKTOP-5K16306:~$ cd cdac
shree@DESKTOP-5K16306:~/cdac$ echo *
a.out downhill expr exprf fun gen pid.c pra prat switch
shree@DESKTOP-5K16306:~/cdac$ touch name.conf
shree@DESKTOP-5K16306:~/cdac$ echo name.conf*
name.conf
shree@DESKTOP-5K16306:~/cdac$
```

## Ans 7

```
shree@DESKTOP-SKI6306: ~/cdac
shree@DESKTOP-SKI6306:~$ echo *
9 Yes amit amit.txt amit1.save argument array b.txt c.txt cdac demo e1 fu good hii if ifelse my new pgrm prob read rob2 test
shree@DESKTOP-SKI6306:~$ ls
9 Yes  amit.txt  amit1.save  argument  array  b.txt  c.txt  cdac  demo  e1  fu  good  hii  if  ifelse  my  new  pgrm  prob  read  rob2
shree@DESKTOP-SKI6306:~$ cd cdac
shree@DESKTOP-SKI6306:~/cdac$ echo *
9.out  dowhile  expr  exprf  fun  gen  pid.c  pra  prnt  switch
shree@DESKTOP-SKI6306:~/cdac$ touch name.conf
shree@DESKTOP-SKI6306:~/cdac$ echo name.conf*
name.conf
shree@DESKTOP-SKI6306:~/cdac$
```

## Ans1

```
shree@DESKTOP-SKI6306: ~/a/b/c
shree@DESKTOP-SKI6306:~/a$ mkdir b
shree@DESKTOP-SKI6306:~/a$ cd b
shree@DESKTOP-SKI6306:~/a/b$ mkdir c
shree@DESKTOP-SKI6306:~/a/b$ cd c
shree@DESKTOP-SKI6306:~/a/b/c$
shree@DESKTOP-SKI6306:~/a/b/c$ .amit
.amit: command not found
shree@DESKTOP-SKI6306:~/a/b/c$ touch .a
shree@DESKTOP-SKI6306:~/a/b/c$ ls -la
total 0
drwxrwxrwx 1 shree shree 4096 Oct  8 19:50 .
drwxrwxrwx 1 shree shree 4096 Oct  8 19:38 ..
-rw-rw-rw- 1 shree shree   0 Oct  8 19:50 .a
shree@DESKTOP-SKI6306:~/a/b/c$ ls
shree@DESKTOP-SKI6306:~/a/b/c$ cd ..
shree@DESKTOP-SKI6306:~/a/b$ touch .b
shree@DESKTOP-SKI6306:~/a/b$ ls -la
total 0
drwxrwxrwx 1 shree shree 4096 Oct  8 19:50 .
drwxrwxrwx 1 shree shree 4096 Oct  8 19:37 ..
-rw-rw-rw- 1 shree shree   0 Oct  8 19:50 .b
drwxrwxrwx 1 shree shree 4096 Oct  8 19:50 c
shree@DESKTOP-SKI6306:~/a/b$ cd ..
shree@DESKTOP-SKI6306:~/a$ touch .c c
shree@DESKTOP-SKI6306:~/a$ ls -la
total 0
drwxrwxrwx 1 shree shree 4096 Oct  8 19:51 .
drwxr-xr-x 1 shree shree 4096 Oct  8 19:37 ..
-rw-rw-rw- 1 shree shree   0 Oct  8 19:51 .c
drwxrwxrwx 1 shree shree 4096 Oct  8 19:50 c
-rw-rw-rw- 1 shree shree   0 Oct  8 19:51 c
shree@DESKTOP-SKI6306:~/a$ cd b
shree@DESKTOP-SKI6306:~/a/b$ touch b
shree@DESKTOP-SKI6306:~/a/b$ ls
b
shree@DESKTOP-SKI6306:~/a/b$ cd c
shree@DESKTOP-SKI6306:~/a/b/c$ touch c
shree@DESKTOP-SKI6306:~/a/b/c$ ls -la
total 0
drwxrwxrwx 1 shree shree 4096 Oct  8 19:51 .
drwxrwxrwx 1 shree shree 4096 Oct  8 19:51 ..
-rw-rw-rw- 1 shree shree   0 Oct  8 19:50 .a
-rw-rw-rw- 1 shree shree   0 Oct  8 19:51 c
shree@DESKTOP-SKI6306:~/a/b/c$ mkdir a_
```

```
shree@DESKTOP-SKI6306: ~/
shree@DESKTOP-SKI6306:~/a/b/c$ cp -r c a
shree@DESKTOP-SKI6306:~/a/b/c$ ls
a c
shree@DESKTOP-SKI6306:~/a/b/c$ cd ..
shree@DESKTOP-SKI6306:~/a/b$ cp -r c a
shree@DESKTOP-SKI6306:~/a/b$ ls
b
shree@DESKTOP-SKI6306:~/a/b$ cd a
shree@DESKTOP-SKI6306:~/a/b/a$ ls
a c
shree@DESKTOP-SKI6306:~/a/b/a$ cp -r b a
cp: cannot stat 'b': No such file or directory
shree@DESKTOP-SKI6306:~/a/b/a$ cd ..
shree@DESKTOP-SKI6306:~/a/b$ cd ..
shree@DESKTOP-SKI6306:~/a$ cp -r a b
cp: cannot stat 'a': No such file or directory
shree@DESKTOP-SKI6306:~/a$ cd ..
shree@DESKTOP-SKI6306:~/a$ cd -r a b
shree@DESKTOP-SKI6306:~/a$ ls
9 Yes amit1.save argument array b.txt c.txt demo e1 fu hii if ifelse my new pgm prob read rob2
shree@DESKTOP-SKI6306:~/a$
```

## Ans 2

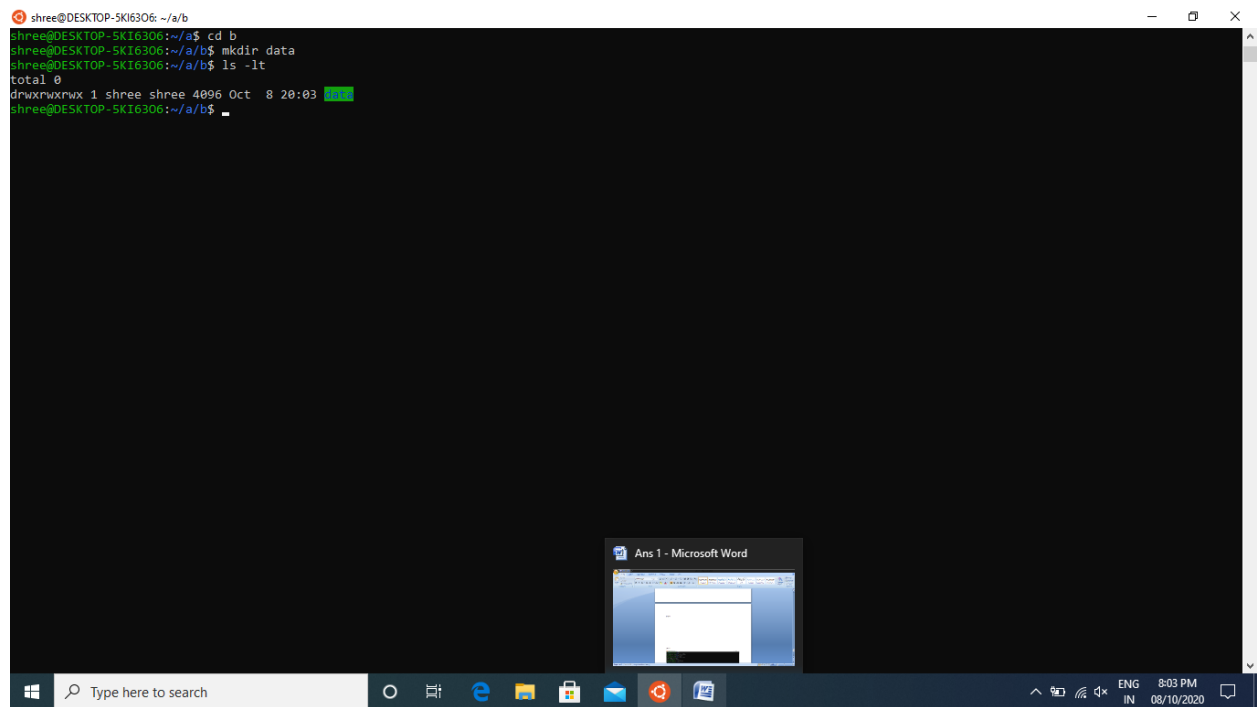
```
shree@DESKTOP-5KI6306: ~/a/b
shree@DESKTOP-5KI6306:~/a/b$ ls
shree@DESKTOP-5KI6306:~/a/b$ chmod 444 c
shree@DESKTOP-5KI6306:~/a/b$ ls -l
total 0
dr--r--r-- 1 shree shree 4096 Oct  8 19:56 c
shree@DESKTOP-5KI6306:~/a/b$
```

## Ans 3]

```
shree@DESKTOP-5KI6306: ~/a/b
shree@DESKTOP-5KI6306:~/a/b$ ls
c shree
shree@DESKTOP-5KI6306:~/a/b$ cp -r c shree
cp: cannot stat 'shree/c': Permission denied
shree@DESKTOP-5KI6306:~/a/b$ cd shree
-bash: cd: shree: Permission denied
shree@DESKTOP-5KI6306:~/a/b$ sudo cd shree
[sudo] password for shree:
sudo: cd: command not found
shree@DESKTOP-5KI6306:~/a/b$
```

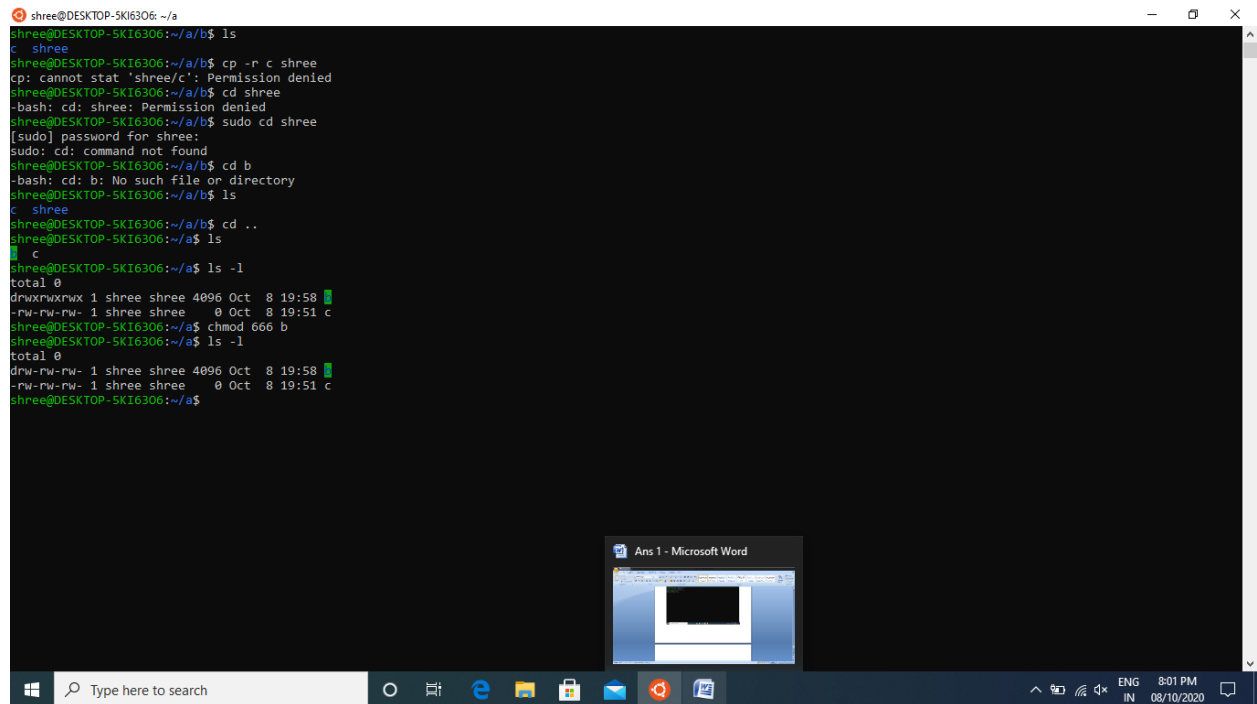
## Ans 4

```
shree@DESKTOP-SKI6306: ~/a/b
shree@DESKTOP-SKI6306:~/a/b$ cd b
shree@DESKTOP-SKI6306:~/a/b$ mkdir data
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct  8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$
```



## Ans 5

```
shree@DESKTOP-SKI6306: ~/a
shree@DESKTOP-SKI6306:~/a/b$ ls
c shree
shree@DESKTOP-SKI6306:~/a/b$ cp -r c shree
cp: cannot stat 'shree/c': Permission denied
shree@DESKTOP-SKI6306:~/a/b$ cd shree
-bash: cd: shree: Permission denied
shree@DESKTOP-SKI6306:~/a/b$ sudo cd shree
[sudo] password for shree:
sudo: cd: command not found
shree@DESKTOP-SKI6306:~/a/b$ cd b
-bash: cd: b: No such file or directory
shree@DESKTOP-SKI6306:~/a/b$ ls
c shree
shree@DESKTOP-SKI6306:~/a/b$ cd ..
shree@DESKTOP-SKI6306:~/a$ ls
c
shree@DESKTOP-SKI6306:~/a$ ls -l
total 0
drwxrwxrwx 1 shree shree 4096 Oct  8 19:58
-rw-rw-rw- 1 shree shree  0 Oct  8 19:51 c
shree@DESKTOP-SKI6306:~/a$ chmod 666 b
shree@DESKTOP-SKI6306:~/a$ ls -l
total 0
drw-rw-rw- 1 shree shree 4096 Oct  8 19:58
-rw-rw-rw- 1 shree shree  0 Oct  8 19:51 c
shree@DESKTOP-SKI6306:~/a$
```

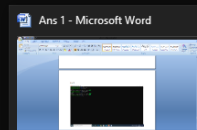


## Ans 6

```
shree@DESKTOP-SKI6306: ~/a/b
shree@DESKTOP-SKI6306:~/a$ cd b
shree@DESKTOP-SKI6306:~/a/b$ mkdir data
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$ mkdir data2
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data2
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$
```

## Ans7

```
shree@DESKTOP-SKI6306: ~/a/b
shree@DESKTOP-SKI6306:~/a$ cd b
shree@DESKTOP-SKI6306:~/a/b$ mkdir data
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$ mkdir data2
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data2
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$ touch data.txt
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
-rw-rw-rw- 1 shree shree 0 Oct 8 20:05 data.txt
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data2
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$
```



## Ans 8

```
shree@DESKTOP-SKI6306: ~/a/b
shree@DESKTOP-SKI6306:~/a/b$ cd b
shree@DESKTOP-SKI6306:~/a/b$ mkdir data
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$ touch data.txt
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
-rw-rw-rw- 1 shree shree 0 Oct 8 20:05 data.txt
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$ cd b
-bash: cd: b: No such file or directory
shree@DESKTOP-SKI6306:~/a/b$ mkdir c
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:06 c
-rw-rw-rw- 1 shree shree 0 Oct 8 20:05 data.txt
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$ mv c copied_dir
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
drwxrwxrwx 1 shree shree 4096 Oct 8 20:06 copied_dir
-rw-rw-rw- 1 shree shree 0 Oct 8 20:05 data.txt
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$
```

## Ans 9

```
shree@DESKTOP-SKI6306: ~/a/b
shree@DESKTOP-SKI6306:~/a/b$ chmod 111 copied_dir
shree@DESKTOP-SKI6306:~/a/b$ ls -lt
total 0
d--x--x--x 1 shree shree 4096 Oct 8 20:06 copied_dir
-rw-rw-rw- 1 shree shree 0 Oct 8 20:05 data.txt
drwxrwxrwx 1 shree shree 4096 Oct 8 20:04 data
drwxrwxrwx 1 shree shree 4096 Oct 8 20:03 data
shree@DESKTOP-SKI6306:~/a/b$
```

## Ans 14

```
shree@DESKTOP-SKI6306: ~$ chmod 700 a
shree@DESKTOP-SKI6306: ~$ ls -lt
total 0
drwx----- 1 shree shree 4096 Oct  8 20:03 a
drwxrwxrwx 1 shree shree 4096 Oct  8 19:35 copy
drwxrwxrwx 1 shree shree 4096 Oct  8 19:28 amba
-rw-rw-rw- 1 shree shree 28 Oct  8 19:11 amit1.save
-rw-rw-rw- 1 shree shree  0 Oct  8 19:04 e1
-rw-rw-rw- 1 shree shree  7 Oct  8 19:01 Yes
-rw-rw-rw- 1 shree shree 27 Oct  8 18:45 c.txt
-rw-rw-rw- 1 shree shree 63 Oct  8 18:44 b.txt
-rw-rw-rw- 1 shree shree 71 Oct  8 09:07 rob2
-rw-rw-rw- 1 shree shree 189 Oct  8 09:05 prob
-rw-rw-rw- 1 shree shree 75 Oct  7 15:25 if
-rw-rw-rw- 1 shree shree 159 Oct  7 14:17 9
-rw-rw-rw- 1 shree shree 304 Oct  6 22:25 demo
-rw-rw-rw- 1 shree shree 302 Oct  6 21:57 pgrm
drwxrwxrwx 1 shree shree 4096 Oct  6 21:44 copy
drwxrwxrwx 1 shree shree 4096 Oct  6 21:43 amba
-rw-rw-rw- 1 shree shree 57 Oct  6 21:39 my
-rw-rw-rw- 1 shree shree 57 Oct  6 21:38 new
-rw-rw-rw- 1 shree shree 129 Oct  6 18:26 ifelse
-rw-rw-rw- 1 shree shree 42 Oct  6 17:01 argument
-rw-rw-rw- 1 shree shree 84 Oct  6 16:37 array
-rw-rw-rw- 1 shree shree 92 Oct  6 15:47 read
-rw-rw-rw- 1 shree shree 73 Oct  6 14:55 amit.txt
-rwxrwxr-- 1 shree shree 128 Oct  6 14:49 fu
-rwxrwxrwx 1 shree shree 218 Oct  6 13:35 hii
shree@DESKTOP-SKI6306: ~$
```

## Ans 15

```
shree@DESKTOP-SKI6306: ~/a$ chmod 700 a
shree@DESKTOP-SKI6306: ~/a$ ls -lt
total 0
drwx----- 1 shree shree 4096 Oct  8 20:03 a
drwxrwxrwx 1 shree shree 4096 Oct  8 19:35 copy
drwxrwxrwx 1 shree shree 4096 Oct  8 19:28 amba
-rw-rw-rw- 1 shree shree 28 Oct  8 19:11 amit1.save
-rw-rw-rw- 1 shree shree  0 Oct  8 19:04 e1
-rw-rw-rw- 1 shree shree  7 Oct  8 19:01 Yes
-rw-rw-rw- 1 shree shree 27 Oct  8 18:45 c.txt
-rw-rw-rw- 1 shree shree 63 Oct  8 18:44 b.txt
-rw-rw-rw- 1 shree shree 71 Oct  8 09:07 rob2
-rw-rw-rw- 1 shree shree 189 Oct  8 09:05 prob
-rw-rw-rw- 1 shree shree 75 Oct  7 15:25 if
-rw-rw-rw- 1 shree shree 159 Oct  7 14:17 9
-rw-rw-rw- 1 shree shree 304 Oct  6 22:25 demo
-rw-rw-rw- 1 shree shree 302 Oct  6 21:57 pgrm
drwxrwxrwx 1 shree shree 4096 Oct  6 21:44 copy
drwxrwxrwx 1 shree shree 4096 Oct  6 21:43 amba
-rw-rw-rw- 1 shree shree 57 Oct  6 21:39 my
-rw-rw-rw- 1 shree shree 57 Oct  6 21:38 new
-rw-rw-rw- 1 shree shree 129 Oct  6 18:26 ifelse
-rw-rw-rw- 1 shree shree 42 Oct  6 17:01 argument
-rw-rw-rw- 1 shree shree 84 Oct  6 16:37 array
-rw-rw-rw- 1 shree shree 92 Oct  6 15:47 read
-rw-rw-rw- 1 shree shree 73 Oct  6 14:55 amit.txt
-rwxrwxr-- 1 shree shree 128 Oct  6 14:49 fu
-rwxrwxrwx 1 shree shree 218 Oct  6 13:35 hii
shree@DESKTOP-SKI6306: ~/a$ cd a
shree@DESKTOP-SKI6306: ~/a$ mkdir sample
shree@DESKTOP-SKI6306: ~/a$ ls -l
total 0
drwxrwxrwx 1 shree shree 4096 Oct  8 20:08 
-rw-rw-rw- 1 shree shree  0 Oct  8 19:51 c
drwxrwxrwx 1 shree shree 4096 Oct  8 20:35 sample
shree@DESKTOP-SKI6306: ~/a$
```



Ans 16

```
shree@DESKTOP-5KI6306:~$ mkdir x
shree@DESKTOP-5KI6306:~$ ls -l
total 0
-rw-rw-rw- 1 shree shree 159 Oct 7 14:17 9
-rw-rw-rw- 1 shree shree 7 Oct 8 19:01 Yes
drwx----- 1 shree shree 4096 Oct 8 20:36 a
drwxrwxrwx 1 shree shree 4096 Oct 8 19:28 amit
-rw-rw-rw- 1 shree shree 73 Oct 6 14:55 amit.txt
-rw-rw-rw- 1 shree shree 28 Oct 8 19:11 amit1.save
-rw-rw-rw- 1 shree shree 42 Oct 6 17:01 argument
-rw-rw-rw- 1 shree shree 84 Oct 6 16:37 array
-rw-rw-rw- 1 shree shree 63 Oct 8 18:44 b.txt
-rw-rw-rw- 1 shree shree 27 Oct 8 18:45 c.txt
drwxrwxrwx 1 shree shree 4096 Oct 8 19:35 demo
-rw-rw-rw- 1 shree shree 304 Oct 6 22:25 demo
-rw-rw-rw- 1 shree shree 0 Oct 8 19:04 e1
-rwxrwx-r-- 1 shree shree 128 Oct 6 14:49 fu
drwxrwxrwx 1 shree shree 4096 Oct 6 21:44 hii
-rwxrwxrwx 1 shree shree 218 Oct 6 13:35 hii
-rw-rw-rw- 1 shree shree 75 Oct 7 15:25 if
-rw-rw-rw- 1 shree shree 129 Oct 6 18:26 ifelse
-rw-rw-rw- 1 shree shree 57 Oct 6 21:39 my
-rw-rw-rw- 1 shree shree 57 Oct 6 21:38 new
-rw-rw-rw- 1 shree shree 302 Oct 6 21:57 pgm
-rw-rw-rw- 1 shree shree 189 Oct 8 09:05 prob
-rw-rw-rw- 1 shree shree 92 Oct 6 15:47 read
-rw-rw-rw- 1 shree shree 71 Oct 8 09:07 rob2
drwxrwxrwx 1 shree shree 4096 Oct 6 21:43 rob
drwxrwxrwx 1 shree shree 4096 Oct 8 20:36 x
shree@DESKTOP-5KI6306:~$
```

Ans 17

[illegible]

Ans 18

```
shree@DESKTOP-5K16306: ~  
shree@DESKTOP-5K16306:~$ mkdir movie  
shree@DESKTOP-5K16306:~$ ls -lt  
total 0  
drwxrwxrwx 1 shree shree 4096 Oct 8 20:39 movie  
drwxrwxrwx 1 shree shree 4096 Oct 8 19:35 tmp  
drwxrwxrwx 1 shree shree 4096 Oct 8 19:28 tmp  
-rw-rw-rw- 1 shree shree 28 Oct 8 19:11 amitl.save  
-rw-rw-rw- 1 shree shree 0 Oct 8 19:04 e1  
-rw-rw-rw- 1 shree shree 7 Oct 8 19:01 Yes  
-rw-rw-rw- 1 shree shree 27 Oct 8 18:45 c.txt  
-rw-rw-rw- 1 shree shree 63 Oct 8 18:44 b.txt  
-rw-rw-rw- 1 shree shree 71 Oct 8 09:07 rob2  
-rw-rw-rw- 1 shree shree 189 Oct 8 09:05 prob  
-rw-rw-rw- 1 shree shree 75 Oct 7 15:25 if  
-rw-rw-rw- 1 shree shree 159 Oct 7 14:17 9  
-rw-rw-rw- 1 shree shree 304 Oct 6 22:25 demo  
-rw-rw-rw- 1 shree shree 302 Oct 6 21:57 pgrm  
drwxrwxrwx 1 shree shree 4096 Oct 6 21:44 tmp  
drwxrwxrwx 1 shree shree 4096 Oct 6 21:43 tmp  
-rw-rw-rw- 1 shree shree 57 Oct 6 21:39 my  
-rw-rw-rw- 1 shree shree 57 Oct 6 21:38 new  
-rw-rw-rw- 1 shree shree 129 Oct 6 18:26 ifelse  
-rw-rw-rw- 1 shree shree 42 Oct 6 17:01 argument  
-rw-rw-rw- 1 shree shree 84 Oct 6 16:37 array  
-rw-rw-rw- 1 shree shree 92 Oct 6 15:47 read  
-rw-rw-rw- 1 shree shree 73 Oct 6 14:55 amit.txt  
-rw-rw-rw- 1 shree shree 128 Oct 6 14:49 fu  
-rw-rw-rw- 1 shree shree 218 Oct 6 13:35 hii  
shree@DESKTOP-5K16306:~$
```

Ans 19