

# Assignment 1-1

Ans1 - 6

```
[+]
File Edit View Search Terminal Tabs Help
sunbeam@Ankit: ~/Desktop/Personal Sunbeam Data/Assignment 1
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ man ls
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ ls -t
Assignment1_1.txt Assignment1.txt copyDir dir2 dir3 dir4
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ ls -S
Assignment1_1.txt copyDir dir2 dir3 dir4 Assignment1.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ ls -i
6164041 Assignment1_1.txt 6165605 copyDir 6164052 dir3
6165222 Assignment1.txt 6164044 dir2 6164953 dir4
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ ls -R
.:
Assignment1_1.txt Assignment1.txt copyDir dir2 dir3 dir4

./copyDir:
dir5 numbers.txt

./copyDir/dir5:
demo1

./copyDir/dir5/demo1:
demo2

./copyDir/dir5/demo1/demo2:
demo3

./copyDir/dir5/demo1/demo2/demo3:

./dir2:
copy.txt dir5

./dir2/dir5:
demo1

./dir2/dir5/demo1:
demo2

./dir2/dir5/demo1/demo2:
demo3

./dir2/dir5/demo1/demo2/demo3:
```

```
[+]
File Edit View Search Terminal Tabs Help
sunbeam@Ankit: ~/Desktop/Personal Sunbeam Data/Assignment 1
./dir2/dir5/demo1/demo2/demo3:
./dir3:
./dir4:
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch file.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ cat > file.txt
Ankit Singh
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ cat file.txt
Ankit Singh
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ cat >> file.txt
Address: Sarita Vihar, New Delhi-110076
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ cat file.txt
Ankit Singh
Address: Sarita Vihar, New Delhi-110076
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ man touch
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch -t 202510222030 file.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ stat file.txt
  File: file.txt
  Size: 53          Blocks: 8          IO Block: 4096   regular file
Device: 259,7   Inode: 6165689      Links: 1
Access: (0664/-rw-rw-r--)  Uid: ( 1000/ sunbeam)    Gid: ( 1000/ sunbeam)
Access: 2025-10-22 20:30:00.000000000 +0530
Modify: 2025-10-22 20:30:00.000000000 +0530
Change: 2025-10-31 19:57:33.302721131 +0530
 Birth: 2025-10-31 19:44:37.623904123 +0530
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ mkdir one
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch 1.txt 11.txt 111.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ mkdir two
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch 2.txt 22.txt 222.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ mkdir three
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch 3.txt 33.txt 333.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ mkdir four
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch 4.txt 44.txt 444.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ mkdir five
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ cd five
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch 5.txt 55.txt 555.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ rmdir one
rmdir: failed to remove 'one': No such file or directory
```

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```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ mkdir one
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch 1.txt 11.txt 111.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ cd one
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ mkdir two
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ touch 2.txt 22.txt 222.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ cd two
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two$ mkdir three
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two$ touch 3.txt 33.txt 333.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two$ cd three
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three$ mkdir four
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three$ touch 4.txt 44.txt 444.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three$ cd four
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four$ cd five
bash: cd: five: No such file or directory
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four$ mkdir five
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four$ touch 5.txt 55.txt 555.txt
```

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I.

```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four$ cd ~
sunbeam@Ankit:~$ ls ~/Desktop/Personal\ Sunbeam\ Data/Assignment\ 1/one/two/three/four/five
555.txt 55.txt 5.txt
```

ii.

```
sunbeam@Ankit:~$ cat > ~/Desktop/Personal\ Sunbeam\ Data/Assignment\ 1/one/two/three/four/44.txt
Ankit Singh
```

iii.

```
sunbeam@Ankit:$ ls ~/Desktop/Personal\ Sunbeam\ Data/Assignment\ 1/one/two/three/four/five/
sunbeam@Ankit:$ rm -r ~/Desktop/Personal\ Sunbeam\ Data/Assignment\ 1/one/two/three/four/five/555.txt
sunbeam@Ankit:$ ls ~/Desktop/Personal\ Sunbeam\ Data/Assignment\ 1/one/two/three/four/five/
55.txt 5.txt
```

iv.

And

V.

```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/five$ cat > ../../3.txt
Pg-Dac
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/five$ cat ../../3.txt
Pg-Dac
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/five$ 
```

vi.

```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four/five$ ls ..../..
222.txt 22.txt 2.txt three
```

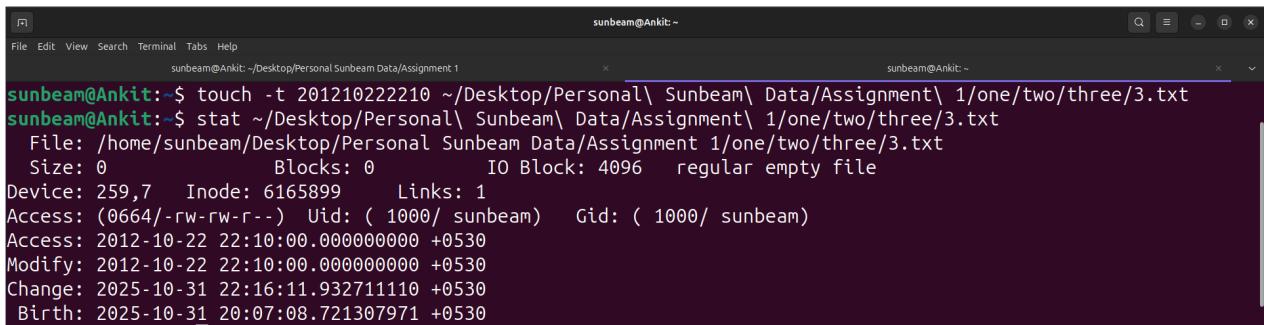
vii-viii.

```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four/five$ rm ..../..../222.txt
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four/five$ ls ..../..
22.txt 2.txt three
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/four/five$ cd ..../..
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ rm /four/five/*
```

ix-xii.

```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ rm -r ~/Desktop/Personal\ Sunbeam\ Data/Assignment\
nt\ 1/one/two/three/four/*
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ ls ~/Desktop/Personal\ Sunbeam\ Data/Assignment\
1/one/two/three/four/*
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ rm -r ~/Desktop/Personal\ Sunbeam\ Data/Assignment\
nt\ 1/one/two/three/four/*
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ ls ~/Desktop/Personal\ Sunbeam\ Data/Assignment\
1/one/two/three/four/*
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1/one$ cd~
```

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The screenshot shows a terminal window with two tabs. The left tab has the command:

```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ touch -t 201210222210 ~/Desktop/Personal\ Sunbeam\ Data/Assignment\ 1/one/two/three/3.txt
```

The right tab has the command:

```
sunbeam@Ankit:~/Desktop/Personal Sunbeam Data/Assignment 1$ stat ~/Desktop/Personal\ Sunbeam\ Data/Assignment\ 1/one/two/three/3.txt
```

The output of the 'stat' command is as follows:

```
File: /home/sunbeam/Desktop/Personal Sunbeam Data/Assignment 1/one/two/three/3.txt
  Size: 0          Blocks: 0          IO Block: 4096   regular empty file
Device: 259,7      Inode: 6165899      Links: 1
Access: (0664/-rw-rw-r--)  Uid: ( 1000/ sunbeam)    Gid: ( 1000/ sunbeam)
Access: 2012-10-22 22:10:00.000000000 +0530
Modify: 2012-10-22 22:10:00.000000000 +0530
Change: 2025-10-31 22:16:11.932711110 +0530
 Birth: 2025-10-31 20:07:08.721307971 +0530
```