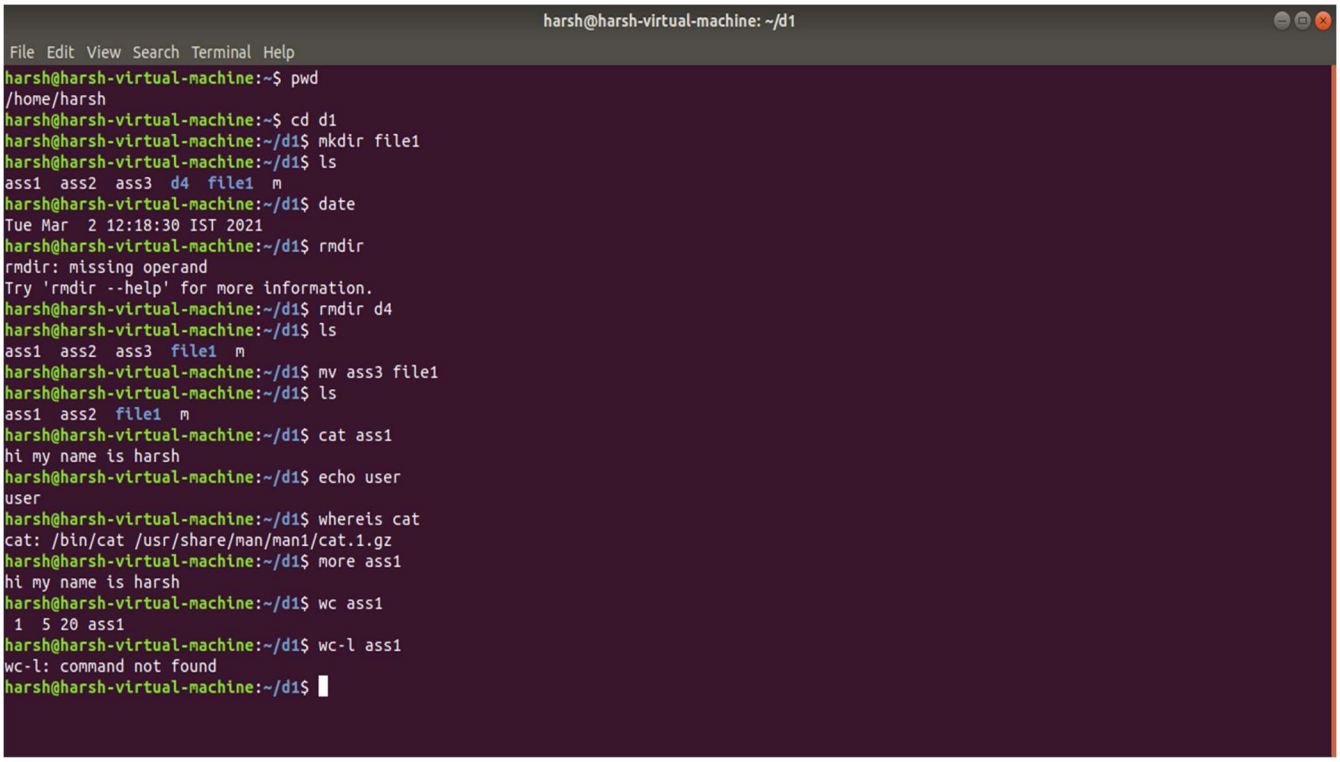
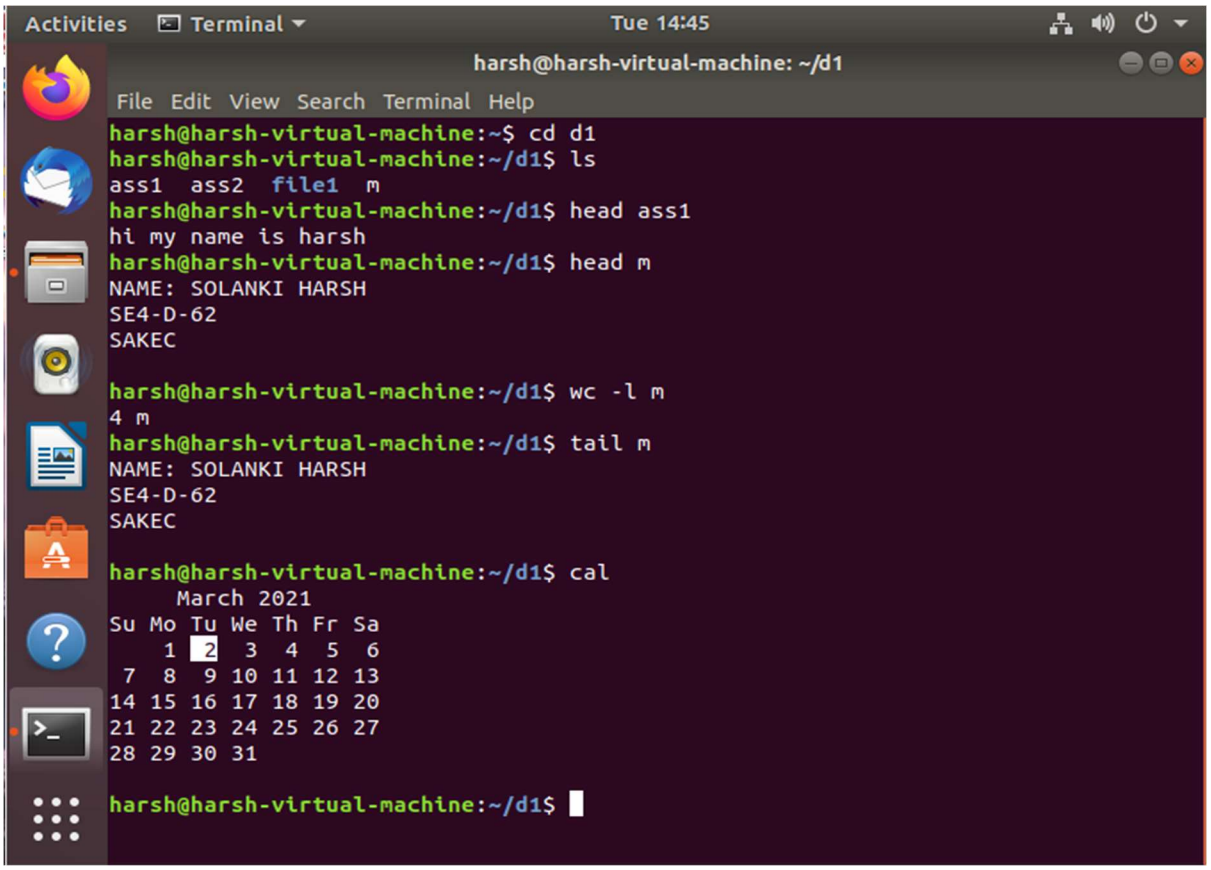
NAME:HARSHBHAI SOLANKI
ROLL.N0:62
SE-4-D
DATE:1/03/2021

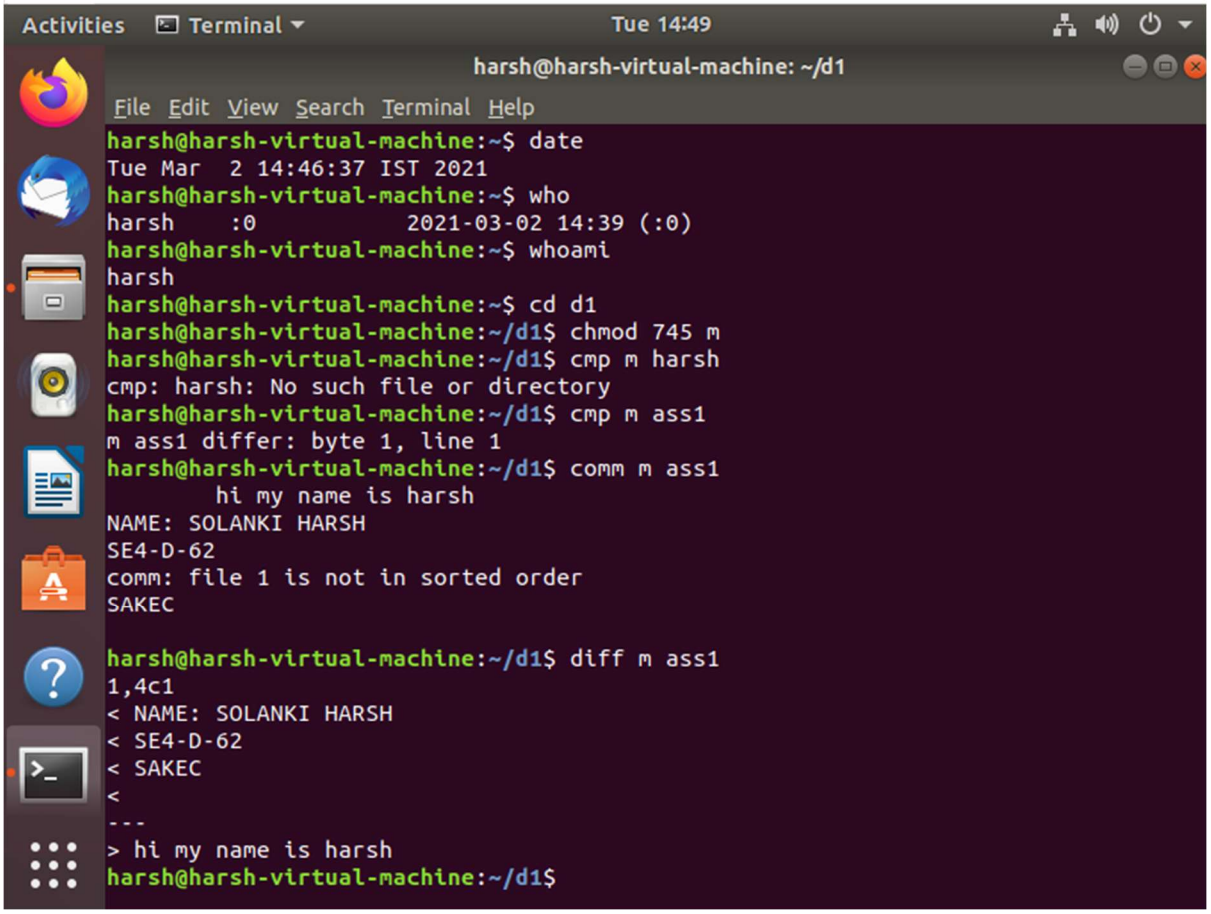
EXPERIMENT N0-1

Aim: Explore usage of basic Linux Commands and system calls for file, directory and process management

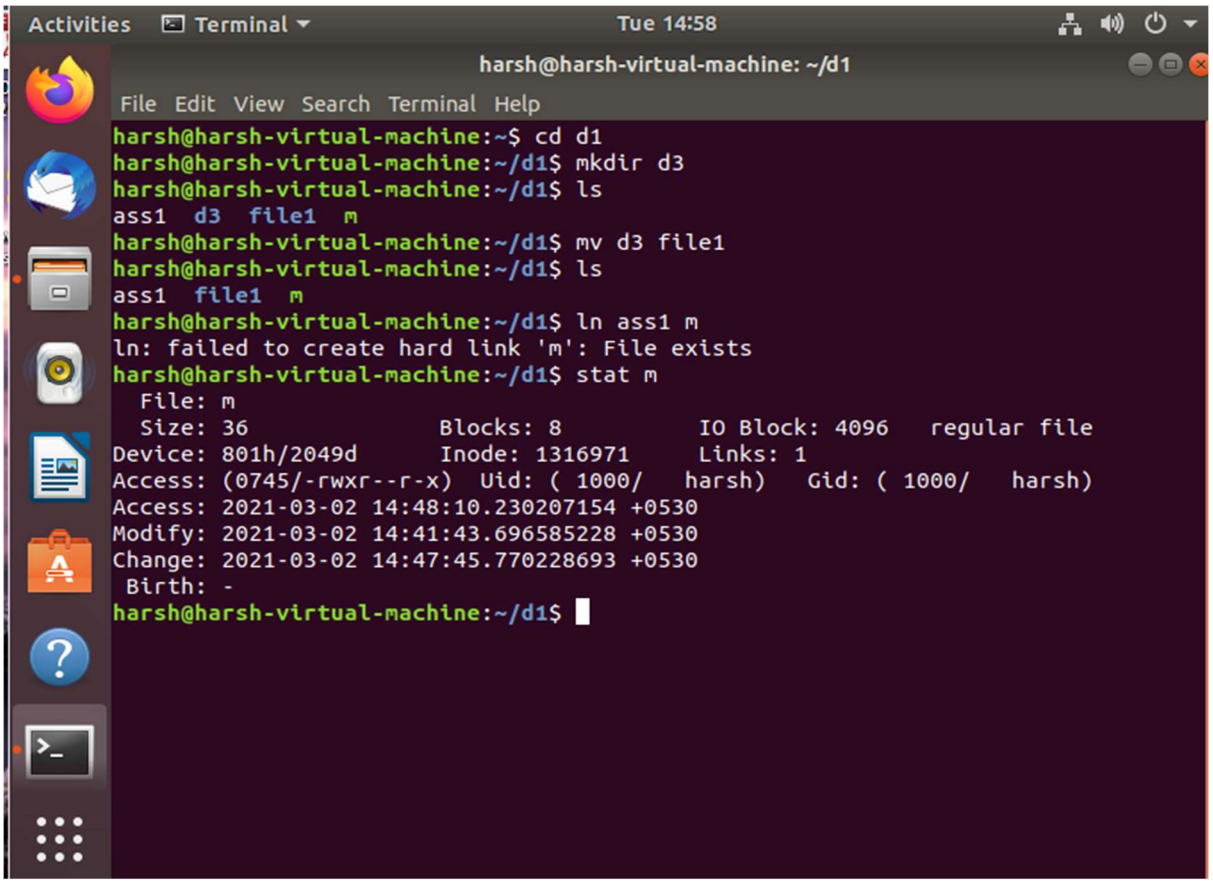
OUTPUT:

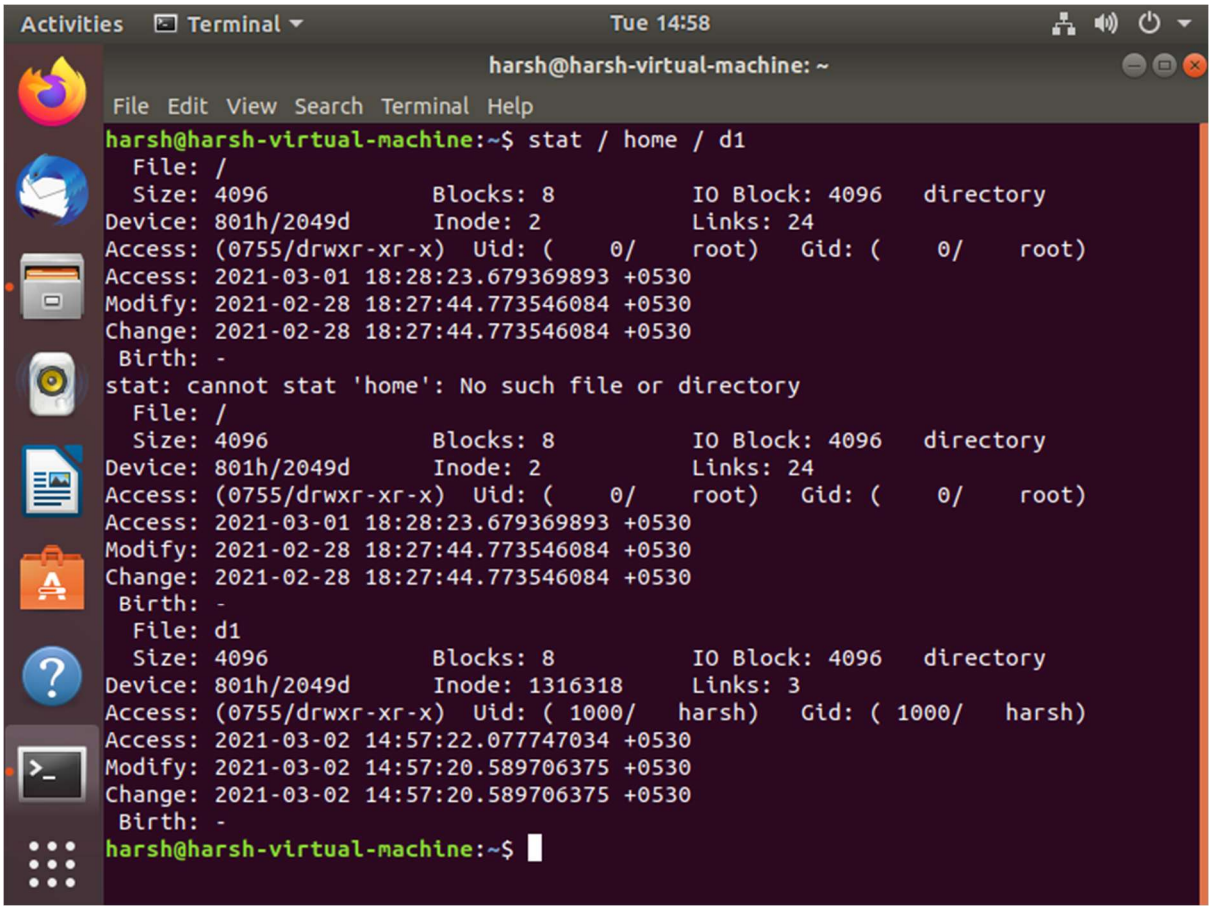


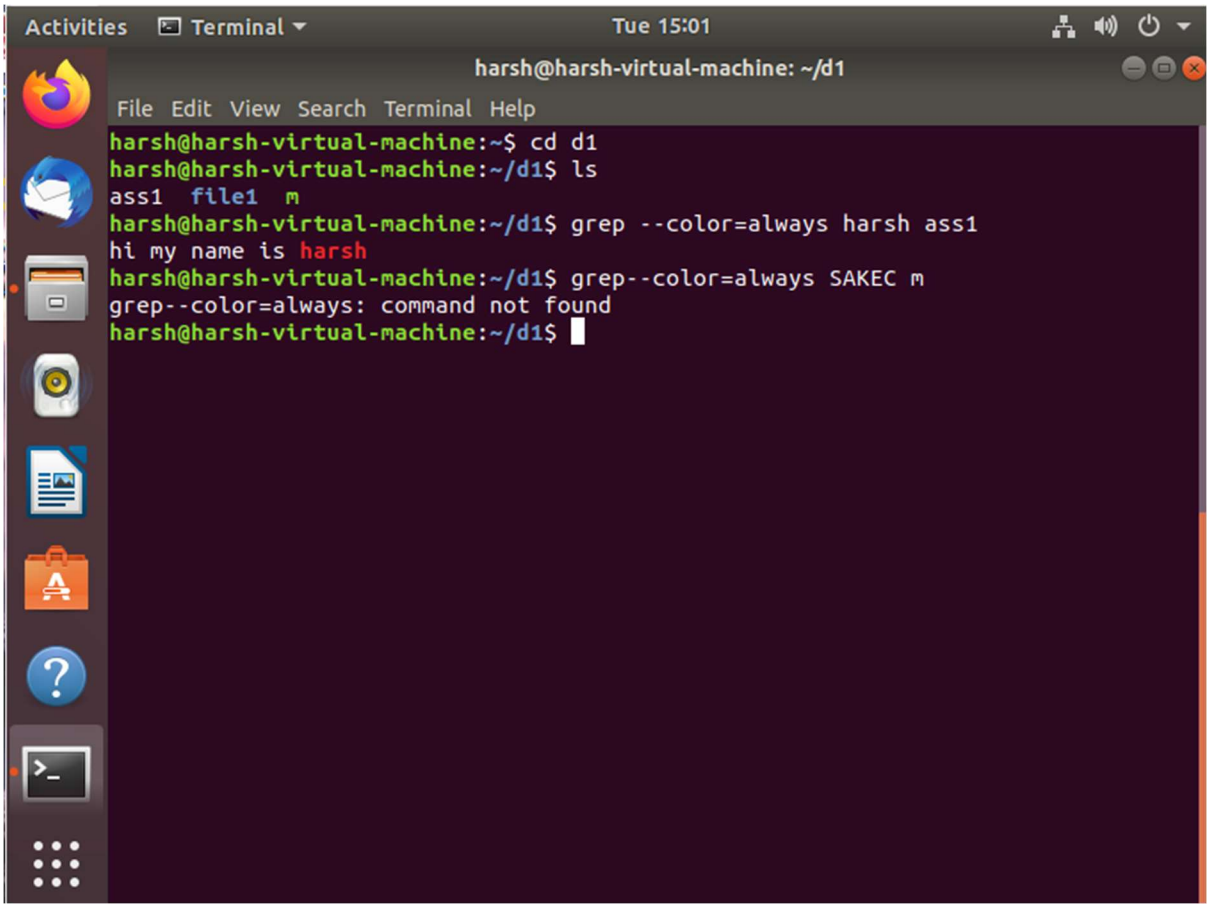

Activities
Terminal
Tue 14:45
harsh@harsh-virtual-machine: ~/d1
File Edit View Search Terminal Help
harsh@harsh-virtual-machine:~$ cd d1
harsh@harsh-virtual-machine:~/d1$ ls
ass1 ass2 file1 m
harsh@harsh-virtual-machine:~/d1$ head ass1
hi my name is harsh
harsh@harsh-virtual-machine:~/d1$ head m
NAME: SOLANKI HARSH
SE4-D-62
SAKEC
harsh@harsh-virtual-machine:~/d1$ wc -l m
4 m
harsh@harsh-virtual-machine:~/d1$ tail m
NAME: SOLANKI HARSH
SE4-D-62
SAKEC
harsh@harsh-virtual-machine:~/d1$ cal
March 2021
Su Mo Tu We Th Fr Sa
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
harsh@harsh-virtual-machine:~/d1$

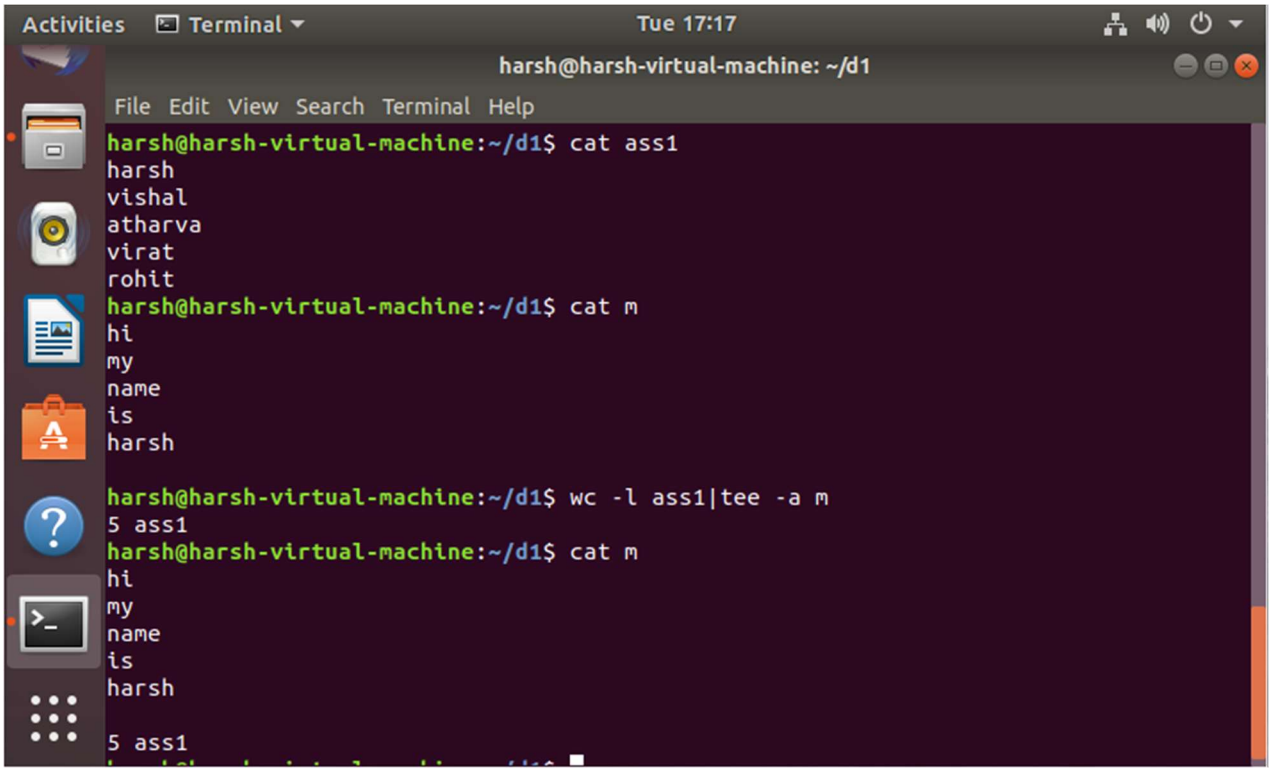

Activities
Terminal
Tue 14:49
harsh@harsh-virtual-machine: ~/d1
File Edit View Search Terminal Help
harsh@harsh-virtual-machine:~$ date
Tue Mar 2 14:46:37 IST 2021
harsh@harsh-virtual-machine:~$ who
harsh :0 2021-03-02 14:39 (:0)
harsh@harsh-virtual-machine:~$ whoami
harsh
harsh@harsh-virtual-machine:~$ cd d1
harsh@harsh-virtual-machine:~/d1$ chmod 745 m
harsh@harsh-virtual-machine:~/d1$ cmp m harsh
cmp: harsh: No such file or directory
harsh@harsh-virtual-machine:~/d1$ cmp m ass1
m ass1 differ: byte 1, line 1
harsh@harsh-virtual-machine:~/d1$ comm m ass1
hi my name is harsh
NAME: SOLANKI HARSH
SE4-D-62
comm: file 1 is not in sorted order
SAKEC
harsh@harsh-virtual-machine:~/d1$ diff m ass1
1,4c1
< NAME: SOLANKI HARSH
< SE4-D-62
< SAKEC
<

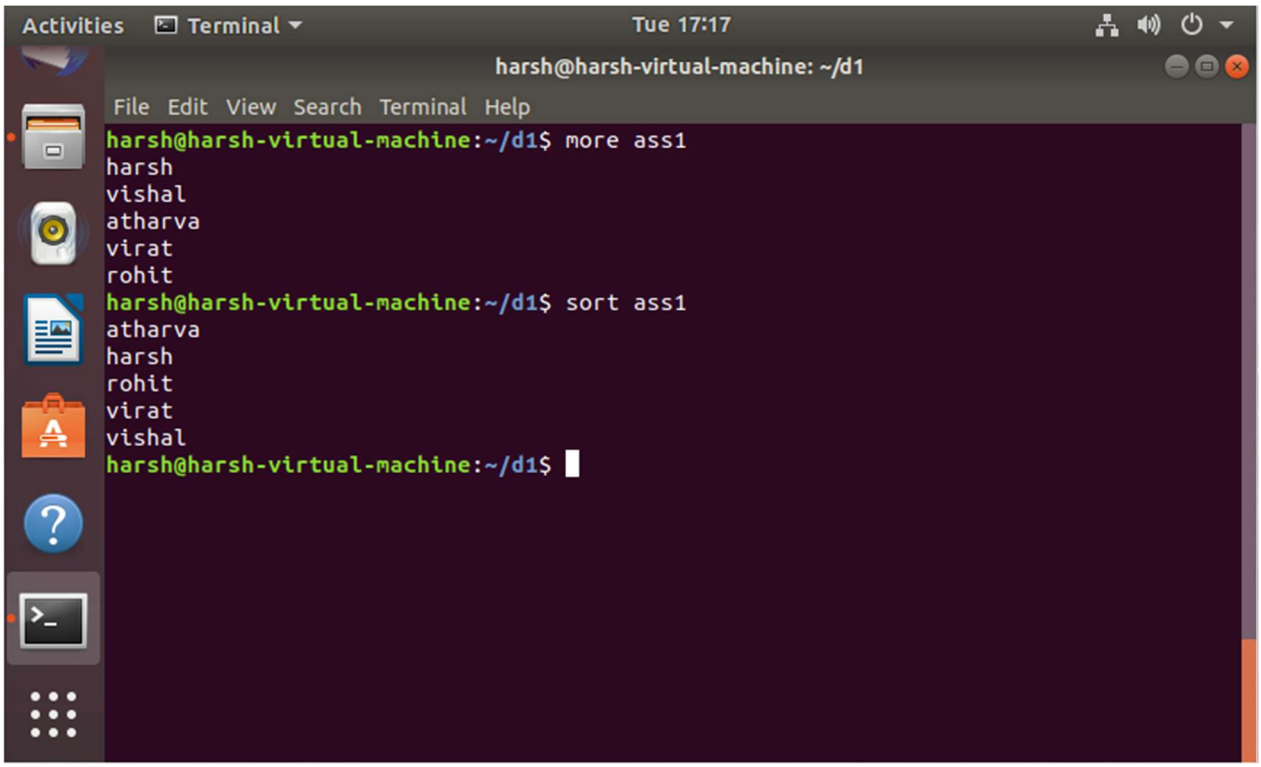
> hi my name is harsh
harsh@harsh-virtual-machine:~/d1$


Activities
Terminal
Tue 14:58
harsh@harsh-virtual-machine: ~/d1
File Edit View Search Terminal Help
harsh@harsh-virtual-machine:~$ cd d1
harsh@harsh-virtual-machine:~/d1$ mkdir d3
harsh@harsh-virtual-machine:~/d1$ ls
ass1 d3 file1 m
harsh@harsh-virtual-machine:~/d1$ mv d3 file1
harsh@harsh-virtual-machine:~/d1$ ls
ass1 file1 m
harsh@harsh-virtual-machine:~/d1$ ln ass1 m
ln: failed to create hard link 'm': File exists
harsh@harsh-virtual-machine:~/d1$ stat m
File: m
Size: 36 Blocks: 8 IO Block: 4096 regular file
Device: 801h/2049d Inode: 1316971 Links: 1
Access: (0745/-rwxr--r-x) Uid: (1000/ harsh) Gid: (1000/ harsh)
Access: 2021-03-02 14:48:10.230207154 +0530
Modify: 2021-03-02 14:41:43.696585228 +0530
Change: 2021-03-02 14:47:45.770228693 +0530
Birth: -
harsh@harsh-virtual-machine:~/d1$


Activities
Terminal
Tue 14:58
harsh@harsh-virtual-machine: ~
File Edit View Search Terminal Help
harsh@harsh-virtual-machine:~$ stat / home / d1
File: /
Size: 4096 Blocks: 8 IO Block: 4096 directory
Device: 801h/2049d Inode: 2 Links: 24
Access: (0755/drwxr-xr-x) Uid: (0/ root) Gid: (0/ root)
Access: 2021-03-01 18:28:23.679369893 +0530
Modify: 2021-02-28 18:27:44.773546084 +0530
Change: 2021-02-28 18:27:44.773546084 +0530
Birth: -
stat: cannot stat 'home': No such file or directory
File: /
Size: 4096 Blocks: 8 IO Block: 4096 directory
Device: 801h/2049d Inode: 2 Links: 24
Access: (0755/drwxr-xr-x) Uid: (0/ root) Gid: (0/ root)
Access: 2021-03-01 18:28:23.679369893 +0530
Modify: 2021-02-28 18:27:44.773546084 +0530
Change: 2021-02-28 18:27:44.773546084 +0530
Birth: -
File: d1
Size: 4096 Blocks: 8 IO Block: 4096 directory
Device: 801h/2049d Inode: 1316318 Links: 3
Access: (0755/drwxr-xr-x) Uid: (1000/ harsh) Gid: (1000/ harsh)
Access: 2021-03-02 14:57:22.077747034 +0530
Modify: 2021-03-02 14:57:20.589706375 +0530
Change: 2021-03-02 14:57:20.589706375 +0530
Birth: -
harsh@harsh-virtual-machine:~$


Activities
Terminal
Tue 15:01
harsh@harsh-virtual-machine: ~/d1
File Edit View Search Terminal Help
harsh@harsh-virtual-machine:~$ cd d1
harsh@harsh-virtual-machine:~/d1$ ls
ass1 file1 m
harsh@harsh-virtual-machine:~/d1$ grep --color=always harsh ass1
hi my name is harsh
harsh@harsh-virtual-machine:~/d1$ grep--color=always SAKEC m
grep--color=always: command not found
harsh@harsh-virtual-machine:~/d1$


Activities
Terminal
Tue 17:17
harsh@harsh-virtual-machine: ~/d1
File Edit View Search Terminal Help
harsh@harsh-virtual-machine:~/d1$ cat ass1
harsh
vishal
atharva
virat
rohit
harsh@harsh-virtual-machine:~/d1$ cat m
hi
my
name
is
harsh
harsh@harsh-virtual-machine:~/d1$ wc -l ass1|tee -a m
5 ass1
harsh@harsh-virtual-machine:~/d1$ cat m
hi
my
name
is
harsh
5 ass1


Activities
Terminal
Tue 17:17
harsh@harsh-virtual-machine: ~/d1
File Edit View Search Terminal Help
harsh@harsh-virtual-machine:~/d1$ more ass1
harsh
vishal
atharva
virat
rohit
harsh@harsh-virtual-machine:~/d1$ sort ass1
atharva
harsh
rohit
virat
vishal
harsh@harsh-virtual-machine:~/d1$