Laboratory Assignment 1 On

Design Principles of Operating System (CSE 3249)

Submitted by

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Semester : 5th

Branch : Computer Science & Engineering

Section : 2241044

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Assignment 1: Basic Commands in Unix Operating System.

Objective of this Assignment: • To study the basic commands such as who, who am i, date, cal, pwd, man, mkdir, cd, rmdir, cat, mv, cp, rm, wc, sort, head, tail, cmp, diff, ls, chmod, grep, echo for accessing files and directories.

Observation:

```
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir Q = - - ×

ejdotp@Belzeebub:~$ mkdir DOS_2241016309

ejdotp@Belzeebub:~$ mkdir DOS_2241016309/DOSass1

ejdotp@Belzeebub:~$ mkdir DOS_2241016309/DOSass1/dir

ejdotp@Belzeebub:~$ cd DOS_2241016309/DOSass1/dir

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir
```

```
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir2
ejdotp@Belzeebub:~$ mkdir DOS_2241016309/DOSass1/dir2
ejdotp@Belzeebub:~$ cd DOS_2241016309/DOSass1/dir2
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir2$
```

```
ejdotp@Belzeebub:~/DOS_2241016309
ejdotp@Belzeebub:~/DOS_2241016309
ejdotp@Belzeebub:~/DOS_2241016309$ ls
DOSass1
ejdotp@Belzeebub:~/DOS_2241016309$ ls DOSass1
dir1 dir2
ejdotp@Belzeebub:~/DOS_2241016309$ rmdir DOSass1/dir2
ejdotp@Belzeebub:~/DOS_2241016309$ ls DOSass1
dir1
ejdotp@Belzeebub:~/DOS_2241016309$ []
```

```
ejdotp@Belzeebub:~/DOS_2241016309$ cd DOSass1/dir1
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1$ cat > file1
Name: E. Jagadeeswar Patro
Regd: 2241016309
branch: CSE
sem: 5th
sec: 44
^C
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1$ cat file1
Name: E. Jagadeeswar Patro
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sem: 5th
sec: 44

*C
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1$ cat file1
Name: E. Jagadeeswar Patro
Regd: 2241016309
branch: CSE
sem: 5th
sec: 44
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1$ []
```

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ cat > file2

SEM1: 8.63

SEM2: 8.63

SEM4: 9.08

^C

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ cat file2

SEM1: 8.63

SEM2: 8.63

SEM2: 8.63

SEM2: 8.63

SEM2: 8.63

SEM2: 8.63

SEM3: 9.27

SEM4: 9.08

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ [

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ cat file1 file2 > file3
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ cat file3
Name: E. Jagadeeswar Patro
Regd: 2241016309
branch: CSE
sem: 5th
sec: 44
SEM1: 8.63
SEM2: 8.63
SEM2: 8.63
SEM3: 9.27
SEM4: 9.08
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$

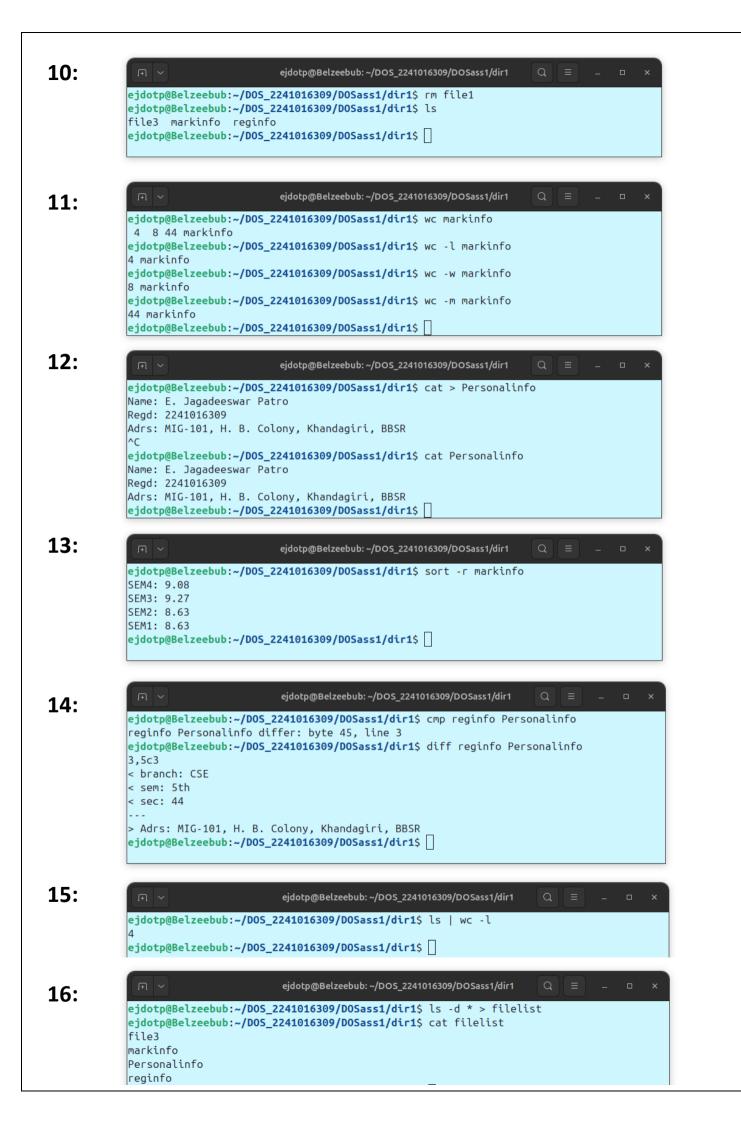
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ mv file2 markinfo
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ ls
file1 file3 markinfo
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ cat markinfo
SEM1: 8.63
SEM2: 8.63
SEM3: 9.27
SEM4: 9.08
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ []

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ cp file1 reginfo
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ ls
file1 file3 markinfo reginfo
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ cat reginfo
Name: E. Jagadeeswar Patro
Regd: 2241016309
branch: CSE
sem: 5th
sec: 44
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$

9: ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1 Q = - - ×

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ ls -i

3016926 file1 3016930 file3 3016928 markinfo 3016933 reginfo
ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ []





ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ echo Hello # world

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ echo "Hello # world"

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ echo 'Hello # world'

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ echo date

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ echo 'date'

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ echo "date"

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$ echo `date`

ejdotp@Belzeebub:~/DOS_2241016309/DOSass1/dir1\$

Don't do this

Hello # world

Hello # world

Sat Sep 14 02:02:41 PM IST 2024

Hello

date

date