

ASSIGNMENT -6 (UNIX_LAB)

NAME: K.SUMANTH

ROLL NO: 422172

SEC : A

Write shell script for the commands

bc,comm,chown,chgrp,dd,diff,finger,find,lock,lp,lpstat,ln,mesg,rcon,ftp

#!/bin/bash

```
# bc - basic calculator
echo "echo 10 + 5 | bc"
echo "10 + 5" | bc
echo ""
```

```
# comm - compare two sorted files line by line
echo "comm file1.txt file2.txt"
comm file1.txt file2.txt
echo ""
```

```
# chown - change file owner and group
echo "sudo chown student:adm file1.txt"
sudo chown student:adm file1.txt
echo ""
```

```
# chgrp - change group ownership
echo "sudo chgrp adm file1.txt"
sudo chgrp adm file1.txt
echo ""
```

```
# dd - convert and copy a file
echo "dd if=file1.txt of=output_file.txt"
dd if=file1.txt of=output_file.txt
echo ""
```

```
# diff - compare files line by line
echo "diff file1.txt file2.txt"
diff file1.txt file2.txt
echo ""
```

```
# finger - user information lookup
echo "finger student"
finger student
echo ""
```

```
# find - search for files in a directory hierarchy
```

```
echo "find "output_file.txt""
find "output_file.txt"
echo ""

# lock - lock a file
echo "lock file1.txt"
lock file1.txt
echo ""

# ln - create links
echo "ln -s file1.txt symbolic_link.txt"
echo "ln file2.txt hard_link.txt"
ln -s file1.txt symbolic_link.txt
ln file2.txt hard_link.txt
echo ""

# lp - print files
echo "lp file2.txt"
lp file2.txt
echo ""

# lpstat - printer status information
echo "lpstat -p"
lpstat -p
echo ""

# mesg - control write access to your terminal
echo "mesg y"
mesg y
echo ""

echo "*/1 * * * * /home/student/Desktop/l6/w6" > cron_job.txt
crontab cron_job.txt

# ftp - file transfer protocol
echo "ftp vsftpd.com "
ftp google.co.in
```

```
ranik@RANIK:~/unix/l6$ ./assignment_6.sh
echo 10 + 5 | bc
./assignment_6.sh: line 4: bc: command not found

comm file1.txt file2.txt
Mango
Orange
comm: file 1 is not in sorted order
Apple
    kalyan
comm: file 2 is not in sorted order
    Harish
    Pardhu
    krishna
comm: input is not in sorted order

sudo chown student:adm file1.txt
chown: invalid user: 'student:adm'

sudo chgrp adm file1.txt

dd if=file1.txt of=output_file.txt
0+1 records in
0+1 records out
19 bytes copied, 0.000114637 s, 166 kB/s

diff file1.txt file2.txt
1,3c1,4
< Mango
< Orange
< Apple
---
> kalyan
> Harish
> Pardhu
> krishna

finger student
./assignment_6.sh: line 34: finger: command not found

find output_file.txt
```

```
find output_file.txt
output_file.txt

lock file1.txt
./assignment_6.sh: line 44: lock: command not found

ln -s file1.txt symbolic_link.txt
ln file2.txt hard_link.txt
ln: failed to create symbolic link 'symbolic_link.txt': File exists
ln: failed to create hard link 'hard_link.txt': File exists

lp file2.txt
./assignment_6.sh: line 56: lp: command not found

lpstat -p
./assignment_6.sh: line 61: lpstat: command not found

mesg y

ftp vsftpd.com
Trying 142.250.195.227:21 ...
```