

UNIX ASSIGNMENT – 6

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ROLL NO : 422123

SECTION : A

INPUT_FILE:

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 file1.txt"

sudo chown student 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
```

```
#!/bin/bash
```

```
echo "=====FILE LOCKING====="
```

```
echo "Enter locking Mode (R/W): "
```

```
read mode
```

```
if [ "$mode" = "R" ]; then
```

```
    mode="-s"
```

```
else
```

```
    mode="-x"
```

```
fi
```

```
echo "Enter file path: "
```

```
read path
```

```
echo "Command to execute after locking: "
```

```
read command
```

```
runcommand="flock $mode $path -c '$command'"  
eval "$runcommand"
```

```
# 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 ""
```

```
# ftp - file transfer protocol
```

```
echo "ftp vsftpd.com "
```

```
ftp vsftpd.com
```

OUTPUT FILE:

```
echo 10 + 5 | bc
```

15

```
comm file1.txt file2.txt
```

```
hi,ki,li
```

```
comm: file 1 is not in sorted order
```

```
,123
```

```
456
```

```
234
```

```
123
```

```
567
```

```
    ram
```

```
    ravi
```

```
comm: file 2 is not in sorted order
```

```
    raju
```

```
    123
```

```
    234
```

```
sudo chown student file1.txt
```

```
[sudo] password for student:
```

```
sudo chgrp adm file1.txt
```

```
dd if=file1.txt of=output_file.txt
```

```
0+1 records in
```

```
0+1 records out
```

```
30 bytes copied, 7.3694e-05 s, 407 kB/s
```

```
diff file1.txt file2.txt
```

```
1,4c1,3
```

```
< hi,ki,li
```

```
< ,123
```

< 456

< 234

> ram

> ravi

> raju

6c5

< 567

> 234

finger student

Login: student

Name:

Directory: /home/student

Shell: /bin/bash

On since Wed Apr 3 14:20 (IST) on :0 from :0 (messages off)

No mail.

No Plan.

find output_file.txt

output_file.txt

=====FILE LOCKING=====

Enter locking Mode (R/W):

w

Enter file path:

home

Command to execute after locking:

file2.txt

/bin/bash: file2.txt: command not found

ln -s file1.txt symbolic_link.txt

ln file2.txt hard_link.txt

lp file2.txt

lp: Error - No default destination.

lpstat -p

printer Brother_DCP_B7535DW_series is idle. enabled since Wednesday 03 April 2024 04:05:23 PM

printer Canon_iR2006_2206@Canon740ae5.local is idle. enabled since Monday 09 October 2023 02:16:31 PM

printer Canon_iR2006_2206_1_ is idle. enabled since Wednesday 03 April 2024 04:05:23 PM

printer Canon_iR2006_2206_2_ is idle. enabled since Tuesday 29 August 2023 03:19:41 PM

printer Canon_MF260_1_ is idle. enabled since Tuesday 23 November 2021 04:10:54 PM

printer Canon_MF260_1_@Canon8c1ca4.local is idle. enabled since Tuesday 05 April 2022 12:58:58 PM

printer HP_LaserJet_Pro_M329_DF1BC5_ is idle. enabled since Monday 08 November 2021 01:18:16 PM

printer HP_LaserJet_Pro_M329_DF1BC5_@HPE8D8D1DF1BC5.local is idle. enabled since Friday 04 March 2022 12:02:58 AM

printer HP_LaserJet_Pro_M329_DF1BED_ is idle. enabled since Monday 13 September 2021 09:27:11 AM

printer jkmurthy_sos is idle. enabled since Wednesday 03 April 2024 04:05:16 PM

printer snb_HP_LaserJet_Pro_M329_DF2BAB_ is idle. enabled since Wednesday 27 March 2024 02:06:06 PM

mesg y

ftp vsftpd.com

ftp: connect to address 13.248.169.48: Connection timed out

Trying 76.223.54.146...