



LONG LABORATORY

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Class : CSE - A Semester : VI
Course Code : ACS.D4.1 Course Name : linux lab
Name of the Course Faculty : B. sandeep kishore Faculty ID : 11142
Exercise Number : 4, 5 Week Number : 4, 5 Date : _____

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S. No.	Exercise Number	EXERCISE NAME	MARKS AWARDED					
			Aim/ Preparation	Algorithm / Procedure		Source Code	Program Execution	Viva - Voce
				Performance in the Lab		Calculations and Graphs	Results and Error Analysis	
			4	4		4	4	4
1	4.1	Hard & Symbolic links	4	2	2	4	4	3
2	4.2	Network Utilities						
3	4.3	Tape archive & Zip						
4								
5	5.1	Displaying files	4	2	2	4	4	4
6	5.2	Moving files						
7	5.3	Displaying logged in users after a a type specified time.						
8								
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12								

Bibek
Signature of the Student

B. Sandeep Kishore
Signature of the Faculty

5 → Exercise on shell programming-1

5.1 → Displaying files

#!/bin/sh

echo "Enter directory name:"

read dir

if [-d "\$dir"]

then

cd "\$dir"

echo "Files with .txt and .c extensions:"

ls *.txt *.c > /dev/null

else

echo "Directory does not exist"

fi
output:-

Enter directory name:

c:\files

fr.txt p2.txt add.c pbo.c

b) Display files with detailed information.

script : display-files-detail.sh

#!/bin/sh

echo "Enter directory name:"

read dir

if [-d "\$dir"]

then

cd "\$dir"

echo "Detailed information of .txt and .c files:"

ls -l *.txt *.c > /dev/null

else

echo "Directory does not exist"

fi

5.2 → Moving Files.

(a) move all files from one directory to another

Script: moving_files.

```
# !/bin/sh
echo "Enter the existing (source) directory: "
read dir
if [-d "$dir"] && [-d "$ndir"]
then
    mv "$dir"/* "$ndir"
    cd "$ndir"
    echo "Files after moving"
    ls
else
    echo "one or both directories do not exist"
fi
```

Output

P1.txt P2.txt add.c lib.c mv.sh

(b) Move only .c extension files.

Script: move_c_files.sh

```
# !/bin/sh
echo "Enter source directory"
read sdir
echo "Enter source directory"
read ddir
if [-d "$sdir"] && [-d "$ddir"]
then
    mv "$sdir"/*.c "$ddir" >> /dev/null
    echo ".c files moved successfully"
    cd "$ddir"
    ls *.c
```



```

else
    echo "Directory does not exist"
fi

```

5.3 → Displaying loggin -in users after a specified time

Script: users - after time.sh

```

#!/bin/sh

```

```

echo "Enter time (HH:MM):"

```

```

read time1

```

```

while read user tty datetime rest
do

```

```

    if [ "$time" > "$time1" ]
    then

```

```

        echo "$user logged in at $time"
    fi
done

```

Output:

Enter time (HH:MM):

10:00

user1 logged in at 10:30

user2 logged in at 11:15.