



## LONG LABORATORY

Name of the Student : Bibek behesa  
 Class. CSE - A Semester. VI Roll Number 

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 Course Code : ACS-DYU Course Name : Linux Lab  
 Name of the Course Faculty : B. Sandeep Kishore Faculty ID : 11142  
 Exercise Number : 4.1 Week Number : 4,5 Date :

S. No.	Exercise Number	EXERCISE NAME	MARKS AWARDED						
			Aim/ Preparation	Algorithm / Procedure		Source Code Calculations and Graphs	Program Execution Results and Error Analysis	Viva - Voce	Total
				4	4		4		
1	4.1	Hand & Symbolic	u	2	2	u	u	3	19
2	4.2	Network Utilities							
3	4.3	Tape archive & Zip							
4									
5	5.1	Displayng files	u	2	2	4	u	u	20
6	5.2	Moving files							
7	5.3	Displayng lagged in users after a							
8		a type specified time.							
9									
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Signature of the Student

Signature of the Faculty

5 → Exercise on shell programming - I

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 f2.txt add.c fibo.c

b) Display files with detailed information.

script : display-files-detailed.sh

#!/bin/sh

echo 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 d1x

if [-d "\$d1x"] && [-d "\$nd1x"]

then

mv "\$d1x/\*" "\$nd1x"

cd "\$nd1x"

echo "files after moving"

ls

else

echo "one or both directories do not exist"

fi

Output.

f1.txt f2.txt add c liboc much

(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 logged-in users after a specified time

Script: users-after-time.sh

#!/bin/sh

echo "Enter time (HH:MM):"

read time1

who | while read user tty datetime rest

do

if ["\$time"] > "\$tmex"]

then

echo "\$user logged in at \$time"

fi

Output:

Enter time (HH:MM):

10:00

user1 logged in at 10:30

user2 logged in at 11:15.