

644 - regular file
755 - directory.

\$ grep -v 'symbol' filename
↓
emp.lst > newfile.

Lab - 8.

1) Write a shell script for Creating Hard and soft link files.

```
echo "Enter filename"
```

```
read f
```

```
ln -s $f "softlink"
```

```
ln $f "hardlink"
```

O/P

Enter filename

ad.sh

```
ls -li softlink
```

20456677 lrwxrwxrwx 1 bmsce 5 Dec 19 12:01 softlink -> ad.sh

```
ls -li ad.sh
```

20456436 -rw-rw-r-- 2 bmsce bmsce 55 Nov 14 12:13 ad.sh

2) Write a shell script for GCD and LCM

```
echo "Enter the first number:"
```

```
read a
```

```
echo "Enter the second number:"
```

```
read b
```

```
if [ $a -gt $b ]
```

```
then
```

num=\$a

den=\$b

do

num=\$b

den=\$a

fi

sr='expr \$num % \$den'

while [\$sr -ne 0]

do

num=\$den

den=\$sr

sr='expr \$num % \$den'

done

gcd=\$den

lcm='expr \$a * \$b / \$gcd'

echo "The LCM of \$a and \$b is : \$lcm"

echo "The GCD of \$a and \$b is : \$gcd"

O/P

Enter the first number:

20

Enter the second number:

28

The LCM of 20 and 28 is : 140

The GCD of 20 and 28 is : 4

③ Write shell script to print below pattern

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5


```
for i in 1 2 3 4 5 6
```

```
do
```

```
  j=1
```

```
  while [ $j -lt $i ]
```

```
  do
```

```
    echo -n "$j"
```

```
    j=$((j+1))
```

```
  done
```

```
done
```

```
done
```

OP

```
1
```

```
1 2
```

```
1 2 3
```

```
1 2 3 4
```

```
1 2 3 4 5
```

④ Write a shell script to locate and print from your home directory tree

a) all files with .html or .HTML extensions.

```
ls *.html *.HTML
```

Output

```
0.HTML ok.html A.HTML.
```

b) directories having 666 permissions.

```
ls -l chmod 666 test.html
```

```
ls -l test.html.
```

O/p Sen
19/12/22.