(1) write a shell script for creating hard &
Soft link files.

read -p "enter the filename:"l

ln -s $( · "softlink"
ln $) · "hardlink"

observation:
softlink has a different
cimode value than file.
hardlink has the same
inode value as the file.

enter the filename.

(2) Enter the filename:
new.th.largest.sh

0/b

$ ls -li new.th.largest.sh.

1967 3622 -rw-rw-r-- 2 bmice bmice 250
NOV 19 2:05 largest.sh

$ ls -no -li hardlink

19673622 -rw-rw-r-- 2 bmlle bmlle
250 Nov 19 12:05

$ ls -li softlink

19662906 lrwx rwxrwx 1 bmlle bmlle 10
19 12:13
softlink → target

$ ls -li target.sh

19673622 -rw-rw-r-- 2 bmlle bmlle 2
Nov 19 12:05

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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
else
num = $b
den = $a
```

```
fi
r=`expr $num % $den`
while [$r -ne 0]
do
num=$den
den=$r
r=`expr $num % $den`
done
gcd=$den
lcm=`expr $a * $b/$gcd`
echo "lcm : $lcm"
echo "gcd : $gcd"
```

```
o/p: Enter the first number.
     20
     Enter the second num
     28
     lcm:140
     gcd:4.
```

(3) Write a shell script to print the pattern below.

```
for i in 1 2 3 4 5
do
  j=1
```

```
while [ $j -lt $i ]
do
echo -n " $j "
j=` expr $j + 1 `
done
echo
done
```

o/p

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

(4) write a shell script to locati and
Print from your home director

a) all files with .html or .HTML
extension

u .a.html .a.HTML

o/p -

0.HTML 0k.html A.HTML

8) directories having 666 permissions

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

o/p
19/12/22

Waits for a file to be created.
```
while [ ! -r invoice.lst ]
do
      sleep 60
done
alloc.pl.
```