

19/12/22

17. write shell script to print the pattern .

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

```
    j=1
```

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

```
    do
```

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

```
        j=`expr $j + 1`
```

```
    done
```

```
echo
```

```
done
```

Output :

1 2

1 2 3

1 2 3 4

1 2 3 4 5

2) echo -n "Enter two numbers :"

read n1 n2

if [ \$n1 -ge \$n2 ]

then

m = \$n1

n = \$n2

else n = \$n1

m = \$n2

fi

while [ \$n -gt 0 ]

do

r = \$m

m = \$n

n = \$((r % \$n))

done

echo "GCD of two numbers \$m"

lcm = \$(( \$n1 \* \$n2 ))

lcm = \$(( \$lcm / \$m ))

echo "LCM of two numbers \$lcm"

Output: Enter two numbers : 8 12

GCD of two numbers : 4

LCM of two numbers : 24

3) Creating Hardlink & Softlink

Hardlink

\$ ln file hlink

\$ ls -li file hlink

7854312 -rwxr-xr-x 2 bmsce bmsce 0 Dec 19 12:29

7854312 -rwxr-xr-x 2 bmsce bmsce 0 Dec 19

Softlink

12:29  
link

\$ ln -s file slink

\$ ls -li file slink

7854312 -rwxr-xr-x 2 bmsce bmsce 0 Dec 19 12:29 file

7854385 lrwxrwxrwx 1 bmsce bmsce 4 Dec 19 12:34

slink → file

u) Print all files with .html extension.

→ ls \*.html.

Output: abc.html.

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```
hr='date | cut -d " " -f4 | cut -d: -f1'
```

```
if [ $hr -le 11 ]
```

```
then
```

```
echo "Good Morning"
```

```
elif [ $hr -ge 12 ] && [ $hr -lt 16 ]
```

```
then
```

```
echo "Good afternoon"
```

```
else
```

```
echo "Good night"
```

```
fi
```

Output: Good afternoon.

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```
who | cut -d " " -f1
```

↳ bmsce. (user name)