

Activities Terminal Apr 18 16:19

sarthak@sarthak-virtual-machine: ~

GNU nano 6.2 table.sh

```
#!/bin/bash
n=2
for i in {100..0..10}
do
    echo "$n X $i = $((n*i))"
    #echo $i
done
```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute  
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify

Activities Terminal Apr 18

sarthak@sarthak-virtual-machine: ~

chmod Documents Music pattern.sh table.sh  
while.sh  
circle.sh Downloads my1next.sh Pictures Templates  
zip.tar  
commandline.sh evenodd.sh my1.sh posneg.sh test.txt  
demo.txt ifelif.sh myfile.tar Public until.sh  
Desktop if.sh myfile.txt reader.sh Videos

```
sarthak@sarthak-virtual-machine:~$ nano table.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 table.sh
sarthak@sarthak-virtual-machine:~$ ./table.sh
2 X 100 = 200
2 X 90 = 180
2 X 80 = 160
2 X 70 = 140
2 X 60 = 120
2 X 50 = 100
2 X 40 = 80
2 X 30 = 60
2 X 20 = 40
2 X 10 = 20
2 X 0 = 0
sarthak@sarthak-virtual-machine:~$
```

Activities Terminal Apr 18 16:2

sarthak@sarthak-virtual-machine: ~

```
GNU nano 6.2 pattern.sh
# echo -n will print on the current line
# echo will shift in next line
for((i=1;i<=5;i++))
do
    for((j=1;j<=i;j++))
    do
        echo -n "X"
    done
    echo
done
```

[ Read 10 lines ]

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute  
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Activities Terminal Apr 18 16:2

sarthak@sarthak-virtual-machine: ~

```
Desktop if.sh myfile.txt reader.sh Videos
sarthak@sarthak-virtual-machine:~$ nano table.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 table.sh
sarthak@sarthak-virtual-machine:~$ ./table.sh
2 X 100 = 200
2 X 90 = 180
2 X 80 = 160
2 X 70 = 140
2 X 60 = 120
2 X 50 = 100
2 X 40 = 80
2 X 30 = 60
2 X 20 = 40
2 X 10 = 20
2 X 0 = 0
sarthak@sarthak-virtual-machine:~$ nano pattern.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 pattern.sh
sarthak@sarthak-virtual-machine:~$ ./pattern.sh
X
XX
XXX
XXXX
XXXXX
sarthak@sarthak-virtual-machine:~$
```

Activities Terminal Apr

sarthak@sarthak-virtual-machine: ~

GNU nano 6.2 if.sh

```
read -p "Enter a number:" x
read -p "Enter other number:" y
if [ $x -gt $y ]
then
echo $x is greater than $y
fi
if [ $x -lt $y ]
then
echo $x is less than $y
fi
if [ $x -eq $y ]
then
echo $x is equal to $y
fi
```

[ Read 14 lines ]

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute  
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify

Activities Terminal Apr

sarthak@sarthak-virtual-machine: ~

```
2 X 40 = 80
2 X 30 = 60
2 X 20 = 40
2 X 10 = 20
2 X 0 = 0
sarthak@sarthak-virtual-machine:~$ nano pattern.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 pattern.sh
sarthak@sarthak-virtual-machine:~$ ./pattern.sh
X
XX
XXX
XXXX
XXXXX
^Crthak@sarthak-virtual-machine:~$ ^C
sarthak@sarthak-virtual-machine:~$
sarthak@sarthak-virtual-machine:~$
sarthak@sarthak-virtual-machine:~$ nano if.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 pattern.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 if.sh
sarthak@sarthak-virtual-machine:~$ ./if.sh
Enter a number:5
Enter other number:6
5 is less than 6
sarthak@sarthak-virtual-machine:~$
```

Activities Terminal Apr

sarthak@sarthak-virtual-machine: ~

```
GNU nano 6.2 evenodd.sh
read -p "Enter the number:" a

if [  $$(a\%2)$  -eq 0 ]
then
echo "$a is even"
else
echo "$a is odd"
fi
```

Read 8 lines

Help Write Out Where Is Cut Execute  
Exit Read File Replace Paste Justify

Activities Terminal Apr 18

sarthak@sarthak-virtual-machine: ~

```
sarthak@sarthak-virtual-machine:~$ nano pattern.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 pattern.sh
sarthak@sarthak-virtual-machine:~$ ./pattern.sh
X
XX
XXX
XXXX
XXXXX
^Crthak@sarthak-virtual-machine:~$ ^C
sarthak@sarthak-virtual-machine:~$
sarthak@sarthak-virtual-machine:~$ nano if.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 pattern.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 if.sh
sarthak@sarthak-virtual-machine:~$ ./if.sh
Enter a number:5
Enter other number:6
5 is less than 6
sarthak@sarthak-virtual-machine:~$ nano evenodd.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 evenodd.sh
sarthak@sarthak-virtual-machine:~$ ./evenodd.sh
Enter the number:6
6 is even
sarthak@sarthak-virtual-machine:~$
```



Activities Terminal Apr

sarthak@sarthak-virtual-machine: ~

GNU nano 6.2 ifelif.sh

```
read a
read b
read c

if [ $a == $b -a $b == $c -a $a == $c ]
then
echo EQUILATERAL
elif [ $a == $b -o $b == $c -o $a == $c ]
then
echo ISOSCELES
else
echo SCALENE
fi
```

[ Read 13 lines ]

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute  
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Activities Terminal Apr 18

sarthak@sarthak-virtual-machine: ~

```
XXXXXX
^C
sarthak@sarthak-virtual-machine:~$ ^C
sarthak@sarthak-virtual-machine:~$
sarthak@sarthak-virtual-machine:~$ nano if.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 pattern.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 if.sh
sarthak@sarthak-virtual-machine:~$ ./if.sh
Enter a number:5
Enter other number:6
5 is less than 6
sarthak@sarthak-virtual-machine:~$ nano evenodd.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 evenodd.sh
sarthak@sarthak-virtual-machine:~$ ./evenodd.sh
Enter the number:6
6 is even
sarthak@sarthak-virtual-machine:~$ nano ifelif.sh
sarthak@sarthak-virtual-machine:~$ chmod 777 ifelif.sh
sarthak@sarthak-virtual-machine:~$ ./ifelif.sh
6
5
3
SCALENE
sarthak@sarthak-virtual-machine:~$
```