

ActivitiesTerminalMar 16 15:44student@administrator-HP-Pro-3330-MT: ~

GNU nano 7.2if.txt

```
#!/bin/bash
read -p "enter value:" num

echo "you have enetered" $num
if [ $num -eq 10 ];
then
    echo "entered 10"
fi

#!/bin/bash
# Prompt the user to enter a value for x
#
echo -n "Enter the value of x: "
read x
#
# if [ $x -gt 5 ]; then
# echo "x is greater than 5"
# else
# echo "x is not greater than 5"
# fi
```

[Read 19 lines]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark
^X Exit	^R Read File	^\ Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo	M-C Copy

```
student@administrator-HP-Pro-3330-MT:~$  
student@administrator-HP-Pro-3330-MT:~$  
student@administrator-HP-Pro-3330-MT:~$ nano if.txt  
student@administrator-HP-Pro-3330-MT:~$ bash if.txt  
enter value:10  
you have enetered 10  
entered 10  
student@administrator-HP-Pro-3330-MT:~$
```

ActivitiesTerminalMar 16 15:45student@administrator-HP-Pro-3330-MT: ~

GNU nano 7.2ifelse.txt

```
#!/bin/bash
read -p "enter no " num
#num=10
echo "entered no: " $num
if [ $(( num % 2 )) -eq 0 ]
then
    echo "even"
else
    echo "odd"
fi
```

[Read 11 lines]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark
^X Exit	^R Read File	^\ Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo	M-C Copy

```
student@administrator-HP-Pro-3330-MT:~$ nano ifelse.txt
```

```
student@administrator-HP-Pro-3330-MT:~$ bash ifelse.txt
```

```
enter no 2
```

```
entered no: 2
```

```
even
```

```
student@administrator-HP-Pro-3330-MT:~$ bash ifelse.txt
```

```
enter no 3
```

```
entered no: 3
```

```
odd
```

```
student@administrator-HP-Pro-3330-MT:~$
```

ActivitiesTerminalMar 16 15:46student@administrator-HP-Pro-3330-MT: ~

GNU nano 7.2for.txt

```
#using first method
for a in 1 2 34 4 84 94
do
    echo "$a"
done
echo "======"
#using second method
for b in {1..10}
do
    echo "$b"
done
echo "======"
for(( i=0;i <= 10;i++ ))
do
    echo $i
done
```

[Read 16 lines]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark
^X Exit	^R Read File	^\ Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo	M-6 Copy

ActivitiesTerminalMar 16 15:46student@administrator-HP-Pro-3330-MT: ~

student@administrator-HP-Pro-3330-MT:~\$ nano for.txt
student@administrator-HP-Pro-3330-MT:~\$ bash for.txt

1
2
34
4
84
94
=====

1
2
3
4
5
6
7
8
9
10
=====

0
1
2
3
4
5
6
7
8
9
10

student@administrator-HP-Pro-3330-MT:~\$

Activities Terminal Mar 16 15:47 student@administrator-HP-Pro-3330-MT: ~

```
GNU nano 7.2 until.txt
#till the condition false until loop will run if condition becomew true it stop the execution
a=1
until [ $a -gt 10 ]
do
    echo $a
    ((a++))
done
```

[Read 8 lines]

	Help	Write Out	Where Is	Cut	Execute	Location	Undo	Set Mark
	Exit	Read File	Replace	Paste	Justify	Go To Line	Redo	Copy

```
student@administrator-HP-Pro-3330-MT:~$ bash until.txt
```

```
1  
2  
3  
4  
5  
6  
7  
8  
9  
10
```

```
student@administrator-HP-Pro-3330-MT:~$ █
```


ActivitiesTerminalMar 16 15:48student@administrator-HP-Pro-3330-MT: ~

GNU nano 7.2switchCase.txt *

```
#!/bin/bash
until [ $num -eq 0 ]
do
echo -e "1.English \n 2.Hindi \n 3.Marathi \n0.Exit"
read -p "Enter Option : " num

#until [ $num -gt 0 ]
#do
case $num in
1)
echo "Hit"
;;
2)
echo "Namaste";;
3)
echo "Nnaskar"
;;
0)
echo "Exit";;
*)
echo "invalid choice";
esac
done
```

Help

Exit

Write Out

Read File

Where Is

Replace

Cut

Paste

Execute

Justify

Location

Go To Line

M-U

M-E

Undo

Redo

M-A

M-6

Set Mark

Copy

```
Activities Terminal Mar 16 15:48 student@administrator-HP-Pro-3330-MT: ~
7
8
9
10
student@administrator-HP-Pro-3330-MT:~$ nano switchCase.txt
student@administrator-HP-Pro-3330-MT:~$ bash switchCase.txt
switchCase.txt: line 2: [: -eq: unary operator expected
1.English
2.Hindi
3.Marathi
0.Exit
Enter Option : 1
Hii
1.English
2.Hindi
3.Marathi
0.Exit
Enter Option : 2
Namaste
1.English
2.Hindi
3.Marathi
0.Exit
Enter Option : 3
Nmaskar
1.English
2.Hindi
3.Marathi
0.Exit
Enter Option : 0
Exit
student@administrator-HP-Pro-3330-MT:~$
```

ActivitiesTerminalMar 16 15:49student@administrator-HP-Pro-3330-MT: ~

GNU nano 7.2while.txt

```
a=1
while [ $a -lt 10 ]
do
    echo $a
    ((a++))
done
```

[Read 6 lines]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark
^X Exit	^R Read File	^\ Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo	M-C Copy

```
student@administrator-HP-Pro-3330-MT:~$ nano while.txt
```

```
student@administrator-HP-Pro-3330-MT:~$ bash while.txt
```

```
1
```

```
2
```

```
3
```

```
4
```

```
5
```

```
6
```

```
7
```

```
8
```

```
9
```

```
student@administrator-HP-Pro-3330-MT:~$
```

507 cat 3great.sh

508 nano 3great.sh

509 read -p "enter num" num

510 read -p "enter num2" num2

511 read -p "enter num3" num3

512 echo \$num>3great.sh

513 echo \$num2>>3great.sh

514 echo \$num3>>3great.sh

515 sort -n 3great.sh

```
student@administrator-HP-Pro-3330-MT:~$ read -p "enter num" num
enter num10
student@administrator-HP-Pro-3330-MT:~$ read -p "enter num2" num2
enter num250
student@administrator-HP-Pro-3330-MT:~$ read -p "enter num3" num3
enter num32
student@administrator-HP-Pro-3330-MT:~$ echo $num>3greatNumber.txt
student@administrator-HP-Pro-3330-MT:~$ echo $num>3greatNumber.txt
student@administrator-HP-Pro-3330-MT:~$ echo $num2>>3greatNumber.txt
student@administrator-HP-Pro-3330-MT:~$ echo $num3>>3greatNumber.txt
student@administrator-HP-Pro-3330-MT:~$ sort -n 3greatNumber.txt
2
10
50
student@administrator-HP-Pro-3330-MT:~$ sort -rn 3greatNumber.txt
50
10
2
```

```
student@administrator-HP-Pro-3330-MT:~$ whatis tail
tail (1)          - output the last part of files
student@administrator-HP-Pro-3330-MT:~$ whatis head
HEAD (1p)         - Simple command line user agent
head (1)          - output the first part of files
student@administrator-HP-Pro-3330-MT:~$ tail.3greatNumber.txt
tail.3greatNumber.txt: command not found
student@administrator-HP-Pro-3330-MT:~$ tail 3greatNumber.txt
10
50
2
student@administrator-HP-Pro-3330-MT:~$ tail -n 1 3greatNumber.txt
2
student@administrator-HP-Pro-3330-MT:~$ sort -n 3greatNumber.txt
2
10
50
student@administrator-HP-Pro-3330-MT:~$ tail -n 1 3greatNumber.txt
2
student@administrator-HP-Pro-3330-MT:~$ cat 3greatNumber.txt
10
50
2
student@administrator-HP-Pro-3330-MT:~$ █
```

ActivitiesTerminalMar 16 16:15student@administrator-HP-Pro-3330-MT: ~

GNU nano 7.2greatThreeNo.txt

```
read -p "enter first no : " num1
read -p "enter second no : " num2
read -p "enter third no : " num3
echo -n "you have entered $num1,$num2,$num3"
echo $num1>>tmp.txt
echo $num2>>tmp.txt
echo $num3>>tmp.txt

echo -e "\nhighest no is "
sort -rn tmp.txt | head -n 1
```

[Read 10 lines]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark
^X Exit	^R Read File	^\ Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo	M-6 Copy


```
student@administrator-HP-Pro-3330-MT:~$ nano greatThreeNo.txt
student@administrator-HP-Pro-3330-MT:~$ bash greatThreeNo.txt
enter first no : 100
enter second no : 81
enter third no : 01
you have entered 100,81,01
highest no is
100
```