

```
GNU nano 3.2 name.sh
#!/bin/bash
echo "Enter your name:"
read na
len=`expr $na | wc -c`
echo "$len"
if [ $len -lt 20 ]
then
echo "Valid name \n Length od name is $len"
else
echo "Invalid name \n Length is $len"
fi
```

[ Read 11 lines ]

^G Get Help	^O Write Out	^W Where Is	^K Cut Text	^J Justify	^C Cur Pos	M-U Undo
^X Exit	^R Read File	^_ Replace	^U Uncut Text	^T To Spell	^_ Go To Line	M-E Redo

```
GNU nano 3.2 factorila.sh
#!/bin/bash
echo "Enter number:"
read n
fact=1
i=1
while [ $i -le $n ]
do
    fact=`expr $i \* $fact`
    i=`expr $i + 1`
done
echo "factorila is $fact"
```

[ Read 12 lines ]

<b>^G</b> Get Help	<b>^O</b> Write Out	<b>^W</b> Where Is	<b>^K</b> Cut Text	<b>^J</b> Justify	<b>^C</b> Cur Pos	<b>M-U</b> Undo
<b>^X</b> Exit	<b>^R</b> Read File	<b>^_</b> Replace	<b>^U</b> Uncut Text	<b>^T</b> To Spell	<b>^_</b> Go To Line	<b>M-E</b> Redo

GNU nano 3.2 shift.sh

```
#!/bin/bash
case $# in
0|1) echo "usage: $0 file pattern" ; exit 2 ;;
*) filename=$1
shift
for pattern in "$@"
do
grep "$pattern" $filename || echo "pattern $pattern not found"
done ;;
esac
```

[ Read 10 lines ]

<b>^G</b> Get Help	<b>^O</b> Write Out	<b>^W</b> Where Is	<b>^K</b> Cut Text	<b>^J</b> Justify	<b>^C</b> Cur Pos	<b>M-U</b> Undo
<b>^X</b> Exit	<b>^R</b> Read File	<b>^N</b> Replace	<b>^U</b> Uncut Text	<b>^T</b> To Spell	<b>^</b> Go To Line	<b>M-E</b> Redo

```
GNU nano 3.2 sumN.sh

#!/bin/bash
echo "Enter upper limit:"
read n
i=1
sum=0
while [ $i -le $n ]
do
sum=`expr $sum + $i`
i=`expr $i + 1`
done
echo "Sum is $sum"
```

[ Read 12 lines ]

<b>^G</b> Get Help	<b>^O</b> Write Out	<b>^W</b> Where Is	<b>^K</b> Cut Text	<b>^J</b> Justify	<b>^C</b> Cur Pos	<b>M-U</b> Undo
<b>^X</b> Exit	<b>^R</b> Read File	<b>^N</b> Replace	<b>^U</b> Uncut Text	<b>^T</b> To Spell	<b>^L</b> Go To Line	<b>M-E</b> Redo

```
GNU nano 3.2 sumeven.sh
#!/bin/bash
echo "Enter number:"
read num
i=2
while [ $i -le $num ]
do
sum=$((sum+i))
i=$((i+2))
done
echo "Sum is $sum"
```

[ Read 10 lines ]

<b>^G</b> Get Help	<b>^O</b> Write Out	<b>^W</b> Where Is	<b>^K</b> Cut Text	<b>^J</b> Justify	<b>^C</b> Cur Pos	<b>M-U</b> Undo
<b>^X</b> Exit	<b>^R</b> Read File	<b>^V</b> Replace	<b>^U</b> Uncut Text	<b>^T</b> To Spell	<b>^_</b> Go To Line	<b>M-E</b> Redo