Table of a number:

```
echo "Enter a Number:"

n=2

i=0

while [ $i -le 10 ]

do

   echo " $n x $i = `expr $n \* $i`"

   i=`expr $i + 1`

done
```

Output:

```
Enter a Number: 2
 2 x 0 = 0
 2 x 1 = 2
 2 x 2 = 4
 2 x 3 = 6
 2 x 4 = 8
 2 x 5 = 10
 2 x 6 = 12
 2 x 7 = 14
 2 x 8 = 16
 2 x 9 = 18
 2 x 10 = 20
```

Prime Nos. Between 1 to n:

```
echo 'Enter the number up to which you want to print Prime No.:'

x=50

n=2

while [ $n -le $x ]

do

i=2
```

```
count=1


while [ $i -lt $n ]
do
if [ `expr $n % $i` -eq 0 ]
then
count=0
break
fi
i=`expr $i + 1`
done


if [ $count -eq 1 ]
then
echo "$n is Prime"
fi
n=`expr $n + 1`
done
```

Output:

```
Enter the number up to which you want to print Prime No.: 50
 2 is Prime
 3 is Prime
 5 is Prime
 7 is Prime
 11 is Prime
 13 is Prime
```

```
17 is Prime
19 is Prime
23 is Prime
29 is Prime
31 is Prime
37 is Prime
41 is Prime
43 is Prime
47 is Prime
```

Sum of n Natural No:

```
n=20
s=0
for (( i=1;i<=n;i++ ))
do
s=`expr $s + $i`
done
echo "Sum of first $n" = $s
```

Output:

```
Sum of first 20 = 210
```

Square, Cube & Square root of Number between 1 to n:

```
a=4
sq=`expr "$a" * "$a" `
cube=`expr "$a" * "$a" * "$a" `
echo "The square of $a =" $sq
echo "The cube of $a=" $cube
echo "The cube root of $a ="
echo 'e(1(2)*0.33)' | bc -l
```

Output:

```
The square of 4 = 16
The cube of 4= 64
The cube root of 4 =
1.58740105
```