a=10

b=20

if [ $a == $b ]

then

echo "a is equal to b"

else

echo "a is not equal to b"

fi

**Output:**

a is not equal to b

a=10

b=20

if [ $a == $b ]

then

echo "a is equal to b"

elif [ $a –gt $b ]

then

echo "a is greater than b"

elif [ $a –lt $b ]

then

echo "a is less than b"

else

echo "None of the condition met"

fi

**Output:**

a is not equal to b

a=0

while [ $a -lt 10 ]

do

echo $a

a=`expr $a + 1`

done

**Output:**

0

1

2

3

4

5

6

7

8

9

**Factorial:**

echo "Enter a number"

read num

fact=1

while [ $num -gt 1 ]

do

fact=$((fact \* num))

num=$((num - 1))

done

echo “Factorial is:” $fact

**Output:**

Enter a number

Factorial is: 120

**Sum of digits of No.:**

|  |
| --- |
|  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

n=7382

sum=0

while [ $n -gt 0 ]

do

t=`expr $n % 10`

sum=`expr $sum + $t`

n=`expr $n / 10`

done

echo "sum of digits=$sum"

**Output:**

**Reverse of a number:**

sum of digits=20

echo "Enter the number you want to reverse"

num=1564

r=0

rev=0

while [ $num -ne 0 ]

do

r=`expr $num % 10`

rev=`expr $r + $rev \* 10`

num=`expr $num / 10`

done

echo "reverse of number is=$rev"

**Output:**

Enter the number you want to reverse

reverse of number is=4651