```
echo "Enter Two Numbers"

read a b

c=`expr $a + $b`

d=`expr $a - $b`

e=`expr $a \* $b`

f=`expr $a / $b`

g=`expr $a % $b`

echo "Sum = $c"

echo "Difference = $d"

echo "Product = $e"

echo "Quotient = $f"

echo "Remainder = $g"



a=10
b=20

sum=$(( $a + $b ))

echo $sum
```

```
echo "Enter Three Numbers"
read a b c
if [ $a -gt $b -a $a -gt $c ]
then
echo "$a is Greater"
elif [ $b -gt $c ]
then
echo "$b is Greater"
else
echo "$c is Greater"
fi
```

```
echo "Enter Two Numbers"
read a b
echo "What do you want to do? (1 to 5)"
echo "1) Sum"
echo "2) Difference"
echo "3) Product"
echo "4) Quotient"
echo "5) Remainder"
echo "Enter your Choice"
read n
case "$n" in
1) echo "The Sum of $a and $b is `expr $a + $b`";;
2) echo "The Difference between $a and $b is `expr $a - $b`";;
3) echo "The Product of the $a and $b is `expr $a \* $b`";;
4) echo "The Quotient of $a by $b is `expr $a / $b`";;
5) echo "The Remainder of $a by $b is `expr $a % $b`";;
esac
```

```
echo " Enter the number"

read n

fact=1

while [ 1 -lt $n ]

do

fact=`expr $fact \* $n`

n=`expr $n - 1`

done

echo "The factorial is $fact"
```

```
for i in {2..10}
do
    echo "output: $i"
done

max=10
for i in {2..$max}
do
    echo "$i"
done
```

```
a=0

while [ "$a" -lt 10 ]    # this is loop1

do
```

```
    b="$a"

    while [ "$b" -ge 0 ]  # this is loop2

    do

        echo -n "$b "

        b=`expr $b - 1`

    done

    echo

    a=`expr $a + 1`

done
```

****

```
    a=0

    while [ $a -lt 10 ]

    do

        echo $a

        if [ $a -eq 5 ]

        then

            break
```

```
        fi
    a=`expr $a + 1`
done
*********************************************
NUMS="1 2 3 4 5 6 7"

for NUM in $NUMS
do
    Q=`expr $NUM % 2`
    if [ $Q -eq 0 ]
    then
        echo "Number is an even number!!"
        continue
    fi
    echo "Found odd number"
done
```