**Write a Shell program to check the given number is even or odd**

echo "Enter the Number"

read n

r=`expr $n % 2`

if [ $r -eq 0 ]

then

echo "$n is Even number"

else

echo "$n is Odd number"

fi

**Write a Shell program to check the given year is leap year or not**

echo "Enter the year"

read y

b=`expr $y % 4`

if [ $b -eq 0 ]

then

echo "$y is a leap year"

else

echo "$y is not a leap year"

fi

**Write a Shell program to find the factorial of a number**

echo "Enter a Number"

read n

i=`expr $n - 1`

p=1

while [ $i -ge 1 ]

do

n=`expr $n \\* $i`

i=`expr $i - 1`

done

echo "The Factorial of the given Number is $n"

**Write a Shell program to swap the two integers**

echo "Enter Two Numbers"

read a b

temp=$a

a=$b

b=$temp

echo "after swapping"

echo $a $b