

# Factorial python

#implement recursive function to calculate the factorial of the given number

```
def fact_rec(n):  
    if n==0 or n==1:  
        return 1  
    else:  
        return 0
```

```
number=int input("Enter a value:")  
res=fact_rec(number)  
print ("The factorial of {} is {}".format(number,res))
```

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# Leap year Python

#Check the year is leap year or not

```
def isLeapYear(year):  
    if(year%4==0 and year %100!=0) or  
year%400==0:  
        return True  
    else:  
        return False  
  
year=int(input (" Enter a year:"))  
  
if isLeapYear (year):  
    print ('{} is a leap year.'.format(year))  
else:  
    print ('{} is not a leap  
year.'.format(year))
```

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