1.1 Implement a recursive function to calculate the factorail of a given number.

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

number =int(input("Enter a given number:"))
res=fact_rec(number )

print("The factorial of {} is {}.".format(number,res))
```

```
# Leapyear

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 a not leap
year.'.format(year))
```