

```
Def factorial(n):
```

```
    If n == 0:
```

```
        Return 1
```

```
    Else:
```

```
        Return n * factorial(n - 1)
```

```
# Example usage:
```

```
Num = 5
```

```
Result = factorial(num)
```

```
Print(f"The factorial of {num} is {result}")
```

```
#Implemantation of program to find leap year
```

```
Def leap_yr(n):
```

```
    If((n%4==0 and n%100!=0) or n%400==0):
```

```
        Print("{} is a leap year".format(n))
```

```
    Else:
```

```
        Print("{} is not a leap year".format(n))
```

```
N=int(input("Enter the year:"))
```

```
Yr=leap_yr(n)
```