```python
1  def factorial(n):
2      if n == 0:
3          return 1
4      else:
5          return n * factorial(n - 1)
6
7  # Test the function
8  num = int(input("Enter a number: "))
9  if num < 0:
10     print("Factorial is not defined
   for negative numbers.")
11 else:
12     result = factorial(num)
13     print(f"The factorial of {num}
   is {result}")
```

```python
def is_leap_year(year):
    if (year % 4 == 0 and year % 100
 != 0) or (year % 400 == 0):
        return True
    else:
        return False

# Input year from the user
year = int(input("Enter a year: "))

# Check if it's a leap year and
display the result
if is_leap_year(year):
    print(f"{year} is a leap year.")
else:
    print(f"{year} is not a leap
year.")

```

Ln 15, Col 1   History ↺

🐍 main.py   ⋮