```python
1   #implement a recursive function to
    calculate the factorial of a given
    number
2
3 ∨ def fact_rec(n):
4 ∨     if n==0 or n==1:
5           return 1
6 ∨     else:
7           return n*(fact_rec(n-1))
8
9   number= 2
10  res = fact_rec(number)
11
12  print("the factorial of {}
    is{}".format(number,res))
```

🐍 main.py　　⋮

🗄 ↻　　▶ Run　　▦

the factorial of 2 is2

▶ Run

```python
#Leap year

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))
```
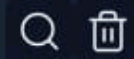
```
enter a year .2023
2023 is not a leap year.
>
```

▶ Run