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

number = 2
res = fact_rec(number)

print("The factorial of {} is {}".format(number,res))
```
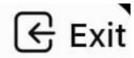
Console output:
```
The factorial of 2 is 2
```

```python
def isleapyear(year):
    if (year % 4 == 0and year% 100 !=
0)or year % 400 == 0:
        return True
    else:
        return False
year=int(input("enter a year:"))
if isleapyear:
    print(year,"is a leap year.")
else:
    print(year,"is not a leap year.")
```

```
enter a year:2023
2023 is a leap year.
>
```