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

number=int(input ("Enter a value:"))
res=fact_rec(number)
print("The factorial of" ,number," is ",res
```

```
Enter a value:5
The factorial of 5  is  120
```

Console

▶ Run

```python
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(year,' is a leap year')
else:
    print(year,' is not a leap year')
```

main.py   ⋮

▶ Run

```
Enter a year:2003
2003  is not a leap year
```

▶ Run