



```

1 ✓ def rec(n):
2   | if n==1:
3   |     return n
4   | else:
5   |     return n*rec(n-1)
6 num=int(input("enter a number:"))
7 ✓ if num<0:
8   | print("factorial does not exist for
   | negative number")
9 ✓ elif num==0:
10  | print("the factorial of 0 is 1")
11 ✓ else:
12  | print("the factorial of",
   | num,"is",rec(num))

```



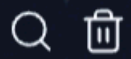
main.py



Run



```
enter a number:4  
the factorial of 4 is 24  
➤
```




>\_ Console



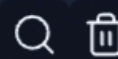
▶ Run



```
1 ▾ def CheckLeap(Year):  
2 ▾  
   if((Year%400==0)or(Year%100!=0)and(Yea  
   r%4==0)):  
3       print("given year is a leap year")  
4 ▾   else:  
5       print("given year is not a leap  
   year")  
6   year=int(input("enter the number:"))  
7   CheckLeap(year)  
8  
9  
10  
11
```

 main.py Run

```
enter the number:2004  
given year is a leap year
```



```
> █
```



>\_ Console



▶ Run

