



new\*



```
1 def fact_rec(n):
2     if n==0 or n==1:
3         return 1
4     else:
5         return n*fact_rec(n-1)
6
7 number = 2
8 res = fact_rec(number)
9
10 print("The factorial of {} is {}".
      format(number,res))
```





TAB



The factorial of 2 is 2

[Program finished]



new\*



```
1 year = int(input("Enter year to be checked:"))
2
3 if year % 4 == 0:
4     if year % 100 == 0:
5         if year % 400 == 0:
6             print("The year is a leap year!")
7         else:
8             print("The year is not a leap year!")
9     else:
10        print("The year is a leap year!")
11 else:
12    print("The year is not a leap year!")
```





TAB



Enter year to be checked: 2020  
The year is a leap year!

[Program finished]