

≡ Implement a recursive function to calculate the factorial



```
1 def factorial(n):  
2     return 1 if (n < 1) else n *  
   factorial(n - 1)  
3 if __name__ == '__main__':  
4     n = 6  
5     print(f'The Factorial of {n} is',  
           factorial(n))
```



main.py



Run



☰ Implement a recursive function to calculate the factorial of a number



```
The Factorial of 6 is 720
```



>_ Console




Run



≡ Write a program that determines whether a year is a leap year or not.

```
1 def CheckLeap(Year):  
2     if((Year % 400 == 0) or  
3         (Year % 100 != 0) and  
4         (Year % 4 == 0)):  
5         print("Given Year is a leap  
6         Year");  
7     else:  
8         print ("Given Year is not a leap  
9         Year")  
10    Year = int(input("Enter the number:  
11    "))  
12    CheckLeap(Year)
```

Ln 8, Col 42 History

 main.py



 Run



≡ Write a program that determines whether a year is a leap year or not



```
Enter the number: 2023
Given Year is not a leap Year
>
```



>_ Console



Run

