



## Challenge 1.1 :



Exit

```
1 ✓ def fact_rec(n):  
2 ✓     if n ==0 or n==0:  
3         return 1  
4 ✓     else:  
5         return n*fact_rec(n-1)  
6  
7 number=int(input ("Enter a value:"))  
8 res=fact_rec(number)  
9 print("The factorial of" ,number," is  
    ",res|
```

Ln 9, Col 44 History 

main.py

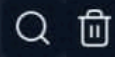


Run





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



&gt;\_ Console

 Run



## Challenge 1.2 :



Exit

```
1 ✓ def isleapyear(year):  
2 ✓     if (year % 4 == 0 and year % 100 != 0)  
       or year % 400 == 0:  
3         return True  
4 ✓     else:  
5         return False  
6  
7     year = int(input("Enter a year:"))  
8 ✓     if isleapyear(year):  
9         print(year, ' is a leap year')  
10 ✓ else:  
11     print(year, ' is not a leap year')
```

Ln 11, Col 36 History 

main.py

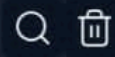


Run






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



&gt;\_ Console

 Run