

7:23

main.py - Challen...  
replit.com

Challenge1.1

```
#implement a recursive function to  
calculate the factorial of a given  
number  
def fact_rec(a):  
    if a==0 or a==1:  
        return 1  
    else:  
        return a*fact_rec(a-1)  
  
number=int(input("enter a value:"))  
res=fact_rec(number)  
  
print("the factorial of {} is  
{},".format(number,res))
```

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main.py

Run

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Challenge1.1 - Re...  
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Challenge1.1

```
enter a value:5  
the factorial of 5 is 120.  
>
```

> Console

Run

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Challenge1.2 (1) ▾



```
#leap year
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("{} is a leap
year.".format(year))
else:
    print("{}is not a leap
year.".format(year))
```

main.py



Run



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Challenge1.2 (1) -...  
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Challenge1.2 (1) ▾

```
enter a year:2015
2015is not a leap year.
> 
```



&gt;\_ Console



Run

