

main.py - Notepad

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1.1 Implement a recursive function to calculate the factorial if a given number

import math

```
def fact(n):  
    return(math.factorial(n))
```

```
num=int(input("Enter the number:"))
```

```
f=fact(num)
```

```
print("Factorial of",num,"is",f)
```

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challenge2 - Notepad

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```
year=int(input("Enter year to be checked:"))
```

```
if year%4==0:
    if year%100==0:
        if year%400==0:
            print("The year is a leap year!")
        else:
            print("The year is not a leap year!")
    else:
        print("The year is a leap year!")
else:
    print("The year is not a leap year!")
```

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