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# Python program to check if year is a leap  
year or not
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```
year = 2000
```

```
# To get year (integer input) from the user  
# year = int(input("Enter a year: "))
```

```
# divided by 100 means century year (ending  
with 00)
```

```
# century year divided by 400 is leap year  
if (year % 400 == 0) and (year % 100 == 0):  
    print("{0} is a leap year".format(year))
```

```
# not divided by 100 means not a century year  
# year divided by 4 is a leap year  
elif (year % 4 == 0) and (year % 100 != 0):  
    print("{0} is a leap year".format(year))
```

```
# if not divided by both 400 (century year)  
and 4 (not century year)  
# year is not leap year  
else:  
    print("{0} is not a leap  
year".format(year))
```

```
import math

x = 5

# returning the factorial
print("The factorial of 5 is : ", end="")
print(math.factorial(x))
```