

```
16     print("{0} is a leap  
year".format(year))  
17  
18 # if not divided by both 400  
   (century year) and 4 (not century  
   year)  
19 # year is not leap year  
20 v else:  
21     print("{0} is not a leap  
year".format(year))
```



```
1  # Python program to check if year
   is a leap year or not
2
3  year = 2000
4
5  # To get year (integer input) from
   the user
6  # year = int(input("Enter a year:
   "))
7
8  # divided by 100 means century year
   (ending with 00)
9  # century year divided by 400 is
   leap year
10 √ if (year % 400 == 0) and (year %
    100 == 0):
11     print("{0} is a leap
    year".format(year))
12
13 # not divided by 100 means not a
    century year
14 # year divided by 4 is a leap year
15 √ elif (year % 4 ==0) and (year % 100
    != 0):
16     print("{0} is a leap
    year".format(year))
```



```
1  import math
2
3  x = 5
4
5  # returning the factorial
6  print("The factorial of 5 is : ",
7        end="")
8  print(math.factorial(x))
```