

1 #1.1 Implement a recursive function to calculate
the factorial of a given number.

2

3

4 ✓ def fact_rec(n):

5 ✓ if n == 0 or n == 1:

6 return 1

7 ✓ else:

8 return n * fact_rec(n - 1)

9

10

11 number = int(input("Enter the value:"))

12 res = fact_rec(number)

13

14 print("The factorial of {} is {}".format(number,
res))

= # ! _ : () . ' " [] {

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1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p

a s d f g h j k l

⬆ z x c v b n m ✖

?123 , 😊 . ⬅

Enter the value:4
The factorial of 4 is 24



>_ Console





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

Ln 1, Col 1 • Spaces: 2 History

main.py



Run



⌵ Run

6s on 20:37:07, 10/19 ✓

Enter a year : 2004
2004 is a leap year.

⌵ Run

5s on 20:37:16, 10/19 ✓

Enter a year : 2005
2005 is not a leap year.



>_ Console



 Run

