




## Challenge 1.1 :

 Exit

```
1 v def fact_rec(n):
2 v     if n==0 or n==1:
3         return 1
4 v     else:
5         return n*fact_rec(n-1)
6
7 number=2
8 res=fact_rec(number)
9
10 print("The factorial of {} is
    {}.format(number,res))
```



Challenge 1.1 :




Exit

The factorial of 2 is 2.





## Challenge 1.2 :

 Exit

```
1 v def isleapyear(year):
2 v     if(year % 4==0 and year %100!=0)or year %
   400==0:
3       return True
4 v     else:
5       return False
6
7     year=2012
8
9 v if isleapyear(year):
10     print('{} is a leap
   year.'.format(year))
11 v else:
12     print('{} is not a leap
   year.'.format(year))
13
```



```
2012 is a leap year.
```

