challenges unit1 Exit

```python
# implement a recursive function to calculate the factorial of a given number

def fact_rec(n):
    if n==0 or n==1:
        return1
    else:
        return n*(fact_rec(n-1))

number = 2
res = fact_rec(number)

print("the factorial of {} is {}".format(number,res))
```

Ln 1, Col 1 History

main.py

Run

```
the factorial of 2 is 2
```

challenges unit 1,1.2 Exit

```
1  #Leap year
2
3  def isLeapYear(year):
4    if (year % 4==0 and year % 100 !=0)
     or year % 400==0:
5      return True
6    else:
7
8      return False
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))
14
```

Ln 1, Col 1 History

main.py

Stop

enter a year.2023