In [3]:

```
def printLeapsInRange(start,end):
    for start in range(start,end+1):
        if(checkLeap(start)):
            print(start)
    return
def checkLeap(number):
    if(number%400==0 or (number%100!=0 and number%4==0)):
        return number
printLeapsInRange(2000,2020)
```

In [132]:

```
# Calculate no of days in a given time period using Leapyear

def noofDays(start,end):
    sum = 0
    for start in range(start,end+1):
        if(checkLeap(start)):
            sum += 366
        else:
            sum += 365
    return sum
noofDays(2012,2020)
```

Out[132]:

3288

In [125]:

```
# Checking the no of days in a month

def checkMnth(month,year):
    res = 0

if((month <=7 and month %2 !=0 and month!=2) or (month>=8 and month %2 == 0)):
    res=31
elif((month <=7 and month %2 ==0 and month!=2)or(month>=8 and month %2 !=0)):
    res = 30
else:
    if(checkLeap(year) and month == 2):
        res = 29
        print(res)
    else:
        res = 28

return res
```

29

Out[125]:

29

In [116]:

59

Out[116]:

1416

In [139]:

```
def noofDays(m1,y1,m2,y2):
    total = 0
    if((y1+1) == y2 \text{ or } (y2-1) == y1):
        total += noofDaysBetweenMonthsOfYear(m1,y1,12,y1)
        total += noofDaysBetweenMonthsOfYear(1,y2,m2,y2)
    elif(y1 == y2):
        total += noofDaysBetweenMonthsOfYear(m1,y1,m2,y2)
    else:
        total += noofDaysBetweenMonthsOfYear(m1,y1,12,y1)
        total += noofDaysBetweenMonthsOfYear(1,y2,m2,y2)
        i = y1+1
        j = y2-1
        for i in range(i,j+1):
            if(checkLeap(i)):
                total += 366
            else:
                total += 365
    return total
noofDays(11,1975,3,1999)*24
```

Out[139]:

205248

In []: