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#printing number of Leap years and Non-leap years between two dates

date1=list(input('Enter the date1: ').split("/"))
date2=list(input('Enter the date2: ').split("/"))
s = [] # creating empty list
b = []
if int(date1[0])<=31 and int(date2[0])<=31:
    if int(date1[1])<=12 and int(date2[1])<=12:
        if int(date1[2])<int(date2[2]):
            for i in range(int(date1[2]),int(date2[2])+1): # Loop for starting year to ending year
                if i % 4 == 0: # conditions for checking leap year or not
                    if i % 100 != 0:
                        s.append(i) # using append function to store value
                    # In the list
                elif i % 100 == 0:
                    if i % 400 == 0:
                        s.append(i)
                else:
                    b.append(i)
            else:
                b.append(i)
        print("leap year: ", s) # printing Leap years
        print("Non leap year: " , b) # printing Non- leap years
    else:
        print('Enter the valid Date')
else:
    print('Enter the valid Date')
else:
    print('Enter the valid Date')

```