date1=list(input('Enter the date1: ').split("/"))

date2=list(input('Enter the date2: ').split("/"))

s = []

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):

if i % 4 == 0:

if i % 100 != 0:

s.append(i)

elif i % 100 == 0:

if i % 400 == 0:

s.append(i)

else:

b.append(i)

else:

b.append(i)

print("leap year: ", s)

print("Non leap year: " , b)

else:

print('Enter the valid Date')

else:

print('Enter the valid Date')

else:

print('Enter the valid Date')