def leapYears(start,end):  
 startDate = start.split('/')  
 endDate = end.split('/')  
 startYear = int(startDate[2])  
 endYear = int(endDate[2])  
  
 leapYear = []  
 nonLeapYear = []  
 for i in range(startYear, endYear+1):  
 if (i % 400 == 0 or i%100 != 0) and i % 4 == 0:  
 leapYear.append(i)  
 else:  
 nonLeapYear.append(i)  
 print("Leap Years: ",end ="")  
 for j in range(len(leapYear)):  
 if j == len(leapYear)-1:  
 print(leapYear[j], end = ".")  
 print()  
 else:  
 print(leapYear[j], end=', ')  
  
 print("Non Leap Years: ", end ="")  
 for k in range(len(nonLeapYear)):  
 if k == len(nonLeapYear)-1:  
 print(nonLeapYear[k], end=".")  
 print()  
 else:  
 print(nonLeapYear[k], end=', ')  
start = input("Enter start date: ")  
end = input("Enter end date: ")  
leapYears(start, end)