Write a program to count the number of days between two dates.

The two dates are given as strings, their format is YYYY-MM-DD as shown in the examples.

**Example 1:**

Input: date1 = "2019-06-29", date2 = "2019-06-30"  
Output: 1

**Example 2:**

Input: date1 = "2020-01-15", date2 = "2019-12-31"  
Output: 15

**Constraints:**

* The given dates are valid dates between the years 1971 and 2100.