Java class: public class Date implements Comparable<Date> {}

List of the constructors:
public Date (String date) {} //take "mm/dd/yyyy" and create a
Albums.Date object
public Date() {} //create an object with today's date (see Calendar
class)

Method signature: ● public static boolean isValid()

Test Case #	Requirement	Test description and Input Data	Expected result/output
1	The method shall not accept any date with the year before 1980	● Create an instance of Date with valid day and month but with the year < 1980 ● Test data: "2/19/1969"	false
2	The method shall not accept any date with the year after current year	● Create an instance of Date with valid day and month but with the year > current year (2021) ● Test data: "2/19/2030"	false
3	Number of days in February for a non-leap year shall be 28	● Create an instance of Date with the month = 2, day > 28, and the year is a non-leap year ● Test data: "2/29/2021"	false
4	Number of days in February for a leap year shall be 29	● Create an instance of Date with the month = 2, day > 28, and the year is a leap year ● Test data: "2/29/2020"	true
5	Valid range for the month shall be 1-12	● Create an instance of Date with valid day and year but with the month = 0 ● Test data: "0/19/2020"	false
6	Valid range for the month shall be 1-12	● Create an instance of Date with valid day and year but with the month = 13 ● Test data: "13/19/2020"	false
7	Valid range for days in 30-day months shall be 1-30	● Create an instance of Date with month = 30-day month and valid year with the day = 31 ● Test data: "4/31/2020"	false

8	Valid range for any day shall be 1-(28, 29, 30, 31 depending on month)	• Create an instance of Date with valid month and year but with the day=0 • Test data: "4/0/2020"	false
9	Valid range for days in February shall be 1-(28-29 depending on leap year)	• Create an instance of Date with month = February and valid year but with the day = 30 • Test data: "2/30/2020"	false
10	Valid range for days in 31-day months shall be 1-31	• Create an instance of Date with month = January and valid year but with the day = 32 • Test data: "1/32/2020"	false
11	Date with invalid values in day and month	• Create an instance of Date with valid year but with month=13 and the day=32 • Test data: "13/32/2020"	false
12	Date with invalid values in month and year	• Create an instance of Date with valid day but with month=13 and the year=2030 • Test data: "13/19/2030"	false
13	Date with invalid values in day and year	• Create an instance of Date with valid month but with day = 32 and the year = 2030 • Test data: "5/32/2030"	false
14	Date with invalid values in day, month, and year	• Create an instance of Date with month=314 but with day = 159 and the year = 265 • Test data: "314/159/265"	false
15	Valid date	• Create an instance of Date with valid, day, and year • Test data: "8/5/2021"	true
16	Valid date	• Create an instance of Date with valid, day, and year • Test data: "2/19/2001"	true
17	Valid date with no date inputted (assumes today's date)	• Create an instance of Date with valid, day, and year • Test data: "" (would assume today's date (tested on 9/19/2021))	true