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

List of the Constructors: public Date(String date) {}   public Date() {}

Method Signature: public boolean isValid() {}

Test Case #	Requirement	Test Description and Input Data	Expected result/output
1	The method shouldn't take any date before 1980	• Create an instance of Date with a valid day and month, but the year is before 1980 (year < 1980). • test data: "07/25/1969"	false
2	The method shouldn't take any date after today's date	• Create an instance of Date with correct Calendar values, but is after today's date. • test1 data: "12/31/2021" • test data2: "07/15/2050"	false
3	The number of days in February for a leap year shall be 29	• Create an instance of Date with a valid day and month, but the year is before 1980 (year < 1980). • test data: "02/29/2020"	true
4	The number of days in February for a non-leap year shall be 28	• Create an instance of Date with a valid day and month, but the year is before 1980 (year < 1980). • test data: "02/29/2021"	false
5	The number of days in January, March, May, July, August, October, December must have 31 days	• Create an instance of Date with a valid day and month, but test the 31st day for the mentioned months. • test data: {"01/31/2021","03/31/2021","05/31/2021",	true

		"07/31/2021","08/31/2020","10/31/2020","12/31/2020"}	
6	The number of days in April, June, September, November must have 30 days	• Create an instance of Date with a valid day and month, but test the 31st day of the month for April, June, September, November. • test data: {"04/31/2021","06/31/2021","09/31/2020", "11/31/2020"}	false
7	The valid range for the month is 1-12	• Create an instance of Date with a valid day and month, but the month is 0, or 13). • Test data: {"00/1/2021","13/1/2021"}	false
8	Days should be between 1-31	• Create an instance of Date with an invalid input. • Test data: {"1/0/2021", "1/32/2021"}	false