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| Java class: public class Date implements Comparable<Date> {} | | | |
| Constructors: public Date(String date) {} // string in the format "mm/dd/yyyy", public Date(){ } | | | |
| Method Signature: public boolean isValid() {} | | | |
| Test Case# | Requirement | Test Description and Input Data | Expected Result |
| 1 | Method should not accept dates before the 1980s | Create instance of date with valid day and month but year<1980  Test data:1/16/1800 | False |
| 2 | Number of days for February in a non-leap year should be 28 | Create two instances of date; one with month of February on non-leap year with day>28 and one with 0<day<=28; first should be false and second should be true  Test data:2/29/2019,2/28/2019 | True |
| 3 | Number of days for February in a leap year should be 29 | Create two instances of date; one with month of February on leap year with day>29 and one with 0<day<=29; first should be false and second should be true  Test data:2/30/2020,2/29/2020 | True |
| 4 | There can’t be a date where the day is less than 1 | Create instance of date where month and year are valid, but day<1  Test data: 3/0/2015 | False |
| 5 | Months for any date should be between 1 and 12 | Create two date instances: One with valid day and year, but month>12, the other where month<1; both have to be false  Test data:0/23/2001, 13/22/2002 | False |
| 6 | January must have 31 days | Create two instances of date; one with month of January with day>31 and one with 0<day<=31; first should be false and second should be true  Test data:1/32/2004,1/31/2004 | True |
| 7 | March must have 31 days | Create two instances of date; one with month of March with day>31 and one with 0<day<=31; first should be false and second should be true  Test data:3/32/2005,3/31/2005 | True |
| 8 | April must have 30 days | Create two instances of date; one with month of April with day>30 and one with 0<day<=30; first should be false and second should be true  Test data:4/31/2011,4/30/2011 | True |
| 9 | May must have 31 days | Create two instances of date; one with month of May with day>31 and one with 0<day<=31; first should be false and second should be true  Test data:5/32/2006,5/31/2006 | True |
| 10 | June must have 30 days | Create two instances of date; one with month of June with day>30 and one with 0<day<=30; first should be false and second should be true  Test data:6/31/2012,6/30/2012 | True |
| 11 | July must have 31 days | Create two instances of date; one with month of July with day>31 and one with 0<day<=31; first should be false and second should be true  Test data:7/32/2007,1/31/2007 | True |
| 12 | August must have 31 days | Create two instances of date; one with month of August with day>31 and one with 0<day<=31; first should be false and second should be true  Test data:8/32/2008,1/31/2008 | True |
| 13 | September must have 30 days | Create two instances of date; one with month of September with day>30 and one with 0<day<=30; first should be false and second should be true  Test data:9/31/2012,9/30/2012 | True |
| 14 | October must have 31 days | Create two instances of date; one with month of October with day>31 and one with 0<day<=31; first should be false and second should be true  Test data:10/32/2009,10/31/2009 | True |
| 15 | November must have 30 days | Create two instances of date; one with month of November with day>30 and one with 0<day<=30; first should be false and second should be true  Test data:11/31/2013,11/30/2013 | True |
| 16 | December must have 31 days | Create two instances of date; one with month of December with day>31 and one with 0<day<=31; first should be false and second should be true  Test data:12/32/2010,12/31/2010 | True |
| 17 | The date cannot be later than the current date | Create one instance of date which is way past the current date  Test Data: 5/12/2028 | False |