

| Test Case# | Purpose of the Test Case  | Input Data                                      | Expected Output                             |
|------------|---|---|---|
|            | Tests the .isValid() method, which determines if the date that has been entered is a valid date. To do so, it must pass all the test cases below.   |   |   |
| 1          | Checks the validity of an invalid month. Output should always be false when this occurs. A date with a month in between 1-12 should return true if it follows the other rules of a valid date..                 | Case 1: "13/1/2000"<br><br>Case 2: "12/1/2000"  | Case 1 returns false<br>Case 2 returns true |
| 2          | Checks the validity of 2/29 on a non-leap year. Output should always be false when this occurs. However, output should always be true when this occurs on a leap year (assuming the rest of the date is valid). | Case 1: "2/29/2019"<br><br>Case 2: "2/29/2020"  | Case 1 returns false<br>Case 2 returns true |
| 3          | Checks if the date is not earlier than 1900. Output should always be false when this occurs. Otherwise true for all years between 1900 until the current date.  | Case 1: "3/31/1800"<br><br>Case 2: "3/31/1950"  | Case 1 returns false<br>Case 2 returns true |
| 4          | Checks the validity of the day. A day should be between 1 (inclusive) and 30/31 depending on the month (inclusive). If this rule is not followed, output should be false.                                       | Case 1: "4/-15/2009"<br><br>Case 2: "4/15/2009" | Case 1 returns false<br>Case 2 returns true |
| 5          | Checks the validity of a day equalling 31. Output should always be false when it's a 30 day month. True when it's during a 31 day month.  | Case 1: "4/31/2009"<br><br>Case 2: "5/31/2009"  | Case 1 returns false<br>Case 2 returns true |
| 6          | Checks the validity of the date that is set in the future. Output should always be false when this occurs.  | Case 1: "4/30/2109"<br><br>Case 1: "4/30/1909"  | Case 1 returns false<br>Case 2 returns true |
| 7          | Check a normal date. This will check all the conditions and only return true if it  | Case 1: "4/30/2019"                             | Case 1 returns true                         |

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|  | passes them all. Output should always be true when this occurs. | Case 2: "10/31/2001" | Case 2 returns true |
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