

Java Class Name: Date		Method Signature: public int isValid()	
Test Case #	Functional Requirement or Test Objective	Test Description and Input Data	Expected Result/Output
1	Verify isValid() for a valid date	Date validDate = new Date(2000, 5, 15);	Return value should be true since the date is valid
2	Verify isValid() for a valid leap year date	Date validLeapYear = new Date(2003, 2, 3);	Return value should be true since the date is valid in a leap year
3	Verify isValid() for a user under 18	Date underageDate = new Date(currentYear - 16, 8, 10); System.out.println(underageDate.isValid());	Return value should be false since the user is under 18
4	Verify isValid() for a future date	Date futureDate = new Date(currentYear + 1, 1, 1);	Return value should be false since the date is in the future
5	Verify isValid() for an invalid February 30th date	Date invalidFebDate = new Date(2000, 2, 30);	Return value should be false since February 30th does not exist
6	Verify isValid() for an invalid month (0)	Date invalidMonth = new Date(2025, 0, 15);	Return value should be false since month 0 is invalid