**ITC515: Professional Programming Practice**

**Term 2, 2020**

**Assessment 4 – Debugging: Simplification**

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# Bug1:

## Automated Test Code:

GitHub Test Code File URL : <https://github.com/sonalkeraliya/ITC515-assignment4/blob/master/ITC515-Debugging/test/TestBug1.java>

## Explanation:

Arrange**:**

Add book and patron as loan object:

After call function for borrow book:

Set current date after 2 days of actual current date

And call function for updated loan data which is affected loan due date

Act**:**

Actual declared fine variable and store their value in this variable

### Assert Equal

Expect fine value should be $1.00

Screenshot:

**1.Test code:**Graphical user interface, text, application

Description automatically generated

**2.Output**

Graphical user interface, text, application

Description automatically generated

# Bug 2: