**Bug Detection**

**BankTest.java**

a) In BankTest.java the fail cases are:

testOpenAccount

testWithdraw

testGetBalance

testDeposit

testTransfer

b) In Bank.Test they are failing because:

testOpenAccount - AccountExistsException (I forced to throw this error, because the method was accepting to create 2 accounts

with the same id)

testWithdraw -> AccountDoesNotExistException

testGetBalance -> AccountDoesNotExistException

testDeposit -> Exception e. Actually the method is throwing the AccountExistsException wrongly.

testTransfer -> AccountDoesNotExistException

**AccountTest.java**

In AccountTest.java the fail cases are:

1. **testAddWithdraw** - because we cannot withdraw money with different currency
2. **testGetBalance –** because GetBalance is returning object of money and not the amount of money

Not able to test both the test cases testAddWithdraw & testGetBalance. Because during debugging we found out one error in @before on line // setup an initial deposit

RBC.deposit("Peter", **new** Money(500, CAD));

Due to which we are getting 2 error and no test is successful.