# Lab #3 -
# Design Patterns Lab

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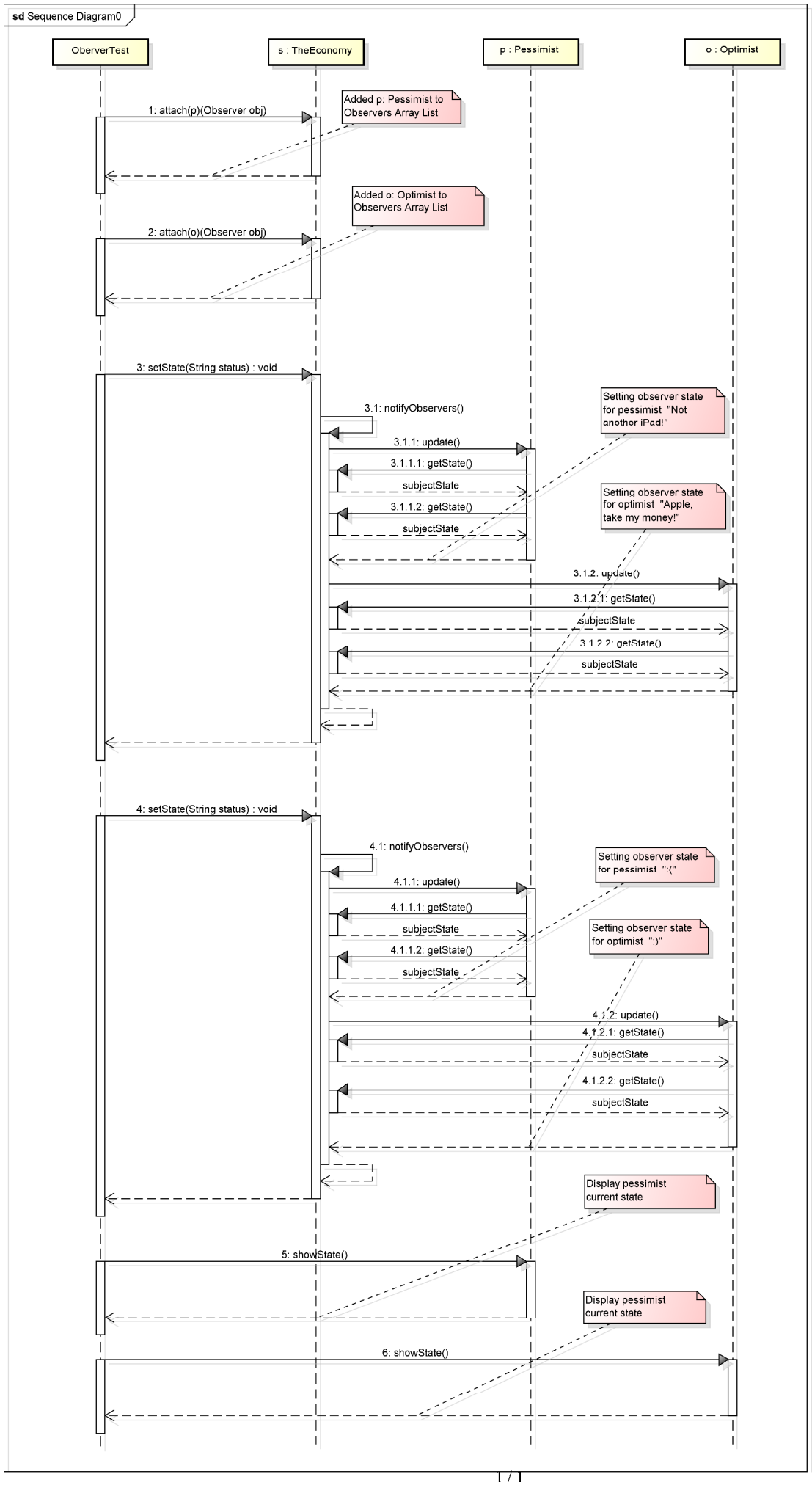
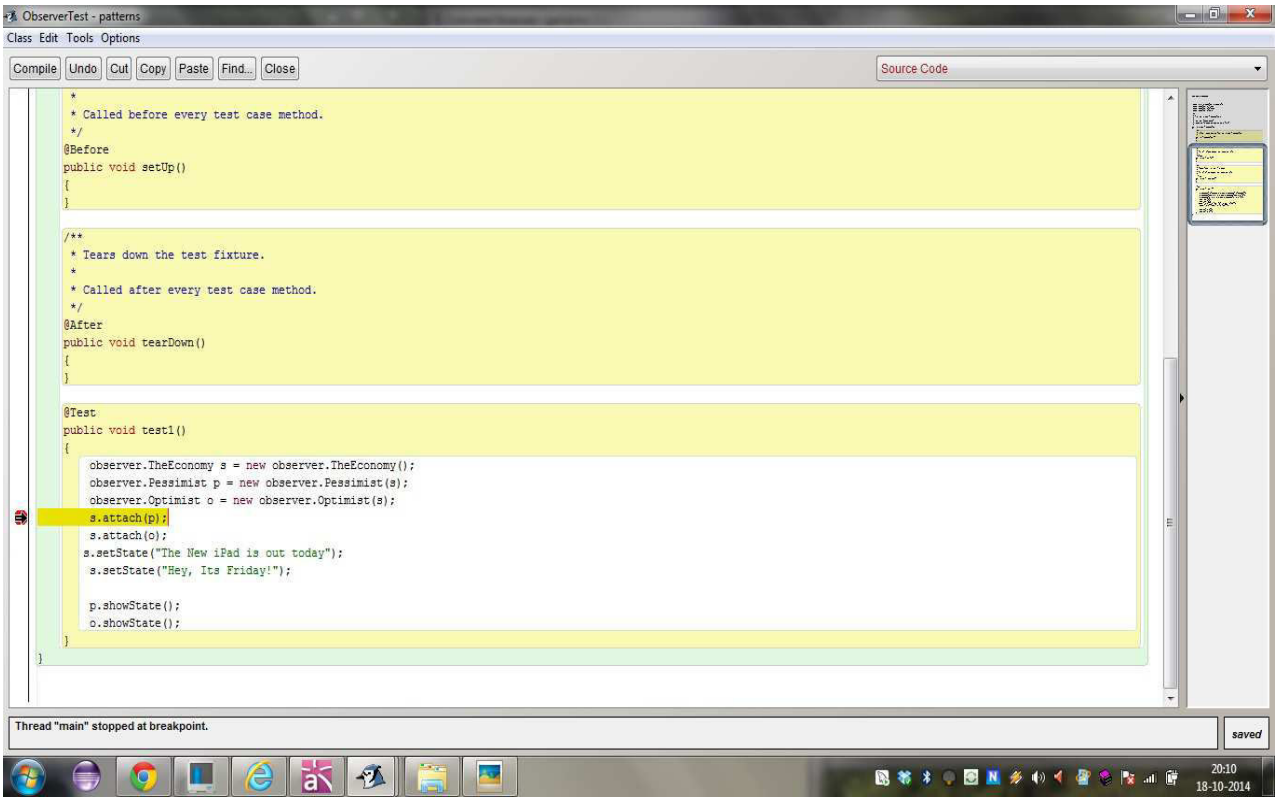
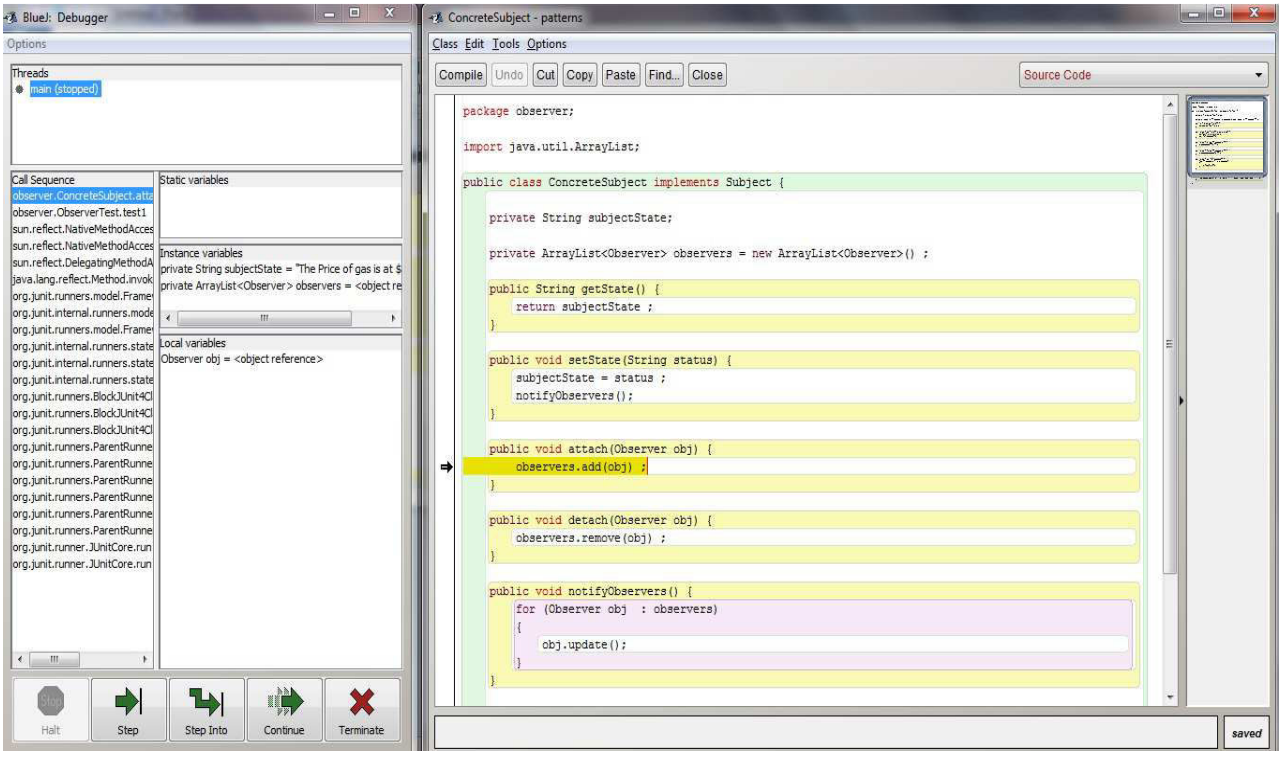

sd Sequence Diagram0
ObserverTest
s : TheEconomy
p : Pessimist
o : Optimist
1: attach(p)(Observer obj)
Added p: Pessimist to Observers Array List
2: attach(o)(Observer obj)
Added o: Optimist to Observers Array List
3: setState(String status) : void
3.1: notifyObservers()
3.1.1: update()
3.1.1.1: getState()
subjectState
3.1.1.2: getState()
subjectState
Setting observer state for pessimist "Not another iPad!"
Setting observer state for optimist "Apple, take my money!"
3.1.2: update()
3.1.2.1: getState()
subjectState
3.1.2.2: getState()
subjectState
4: setState(String status) : void
4.1: notifyObservers()
4.1.1: update()
4.1.1.1: getState()
subjectState
4.1.1.2: getState()
subjectState
Setting observer state for pessimist ":("
Setting observer state for optimist ":)"
4.1.2: update()
4.1.2.1: getState()
subjectState
4.1.2.2: getState()
subjectState
Display pessimist current state
5: showState()
Display pessimist current state
6: showState()

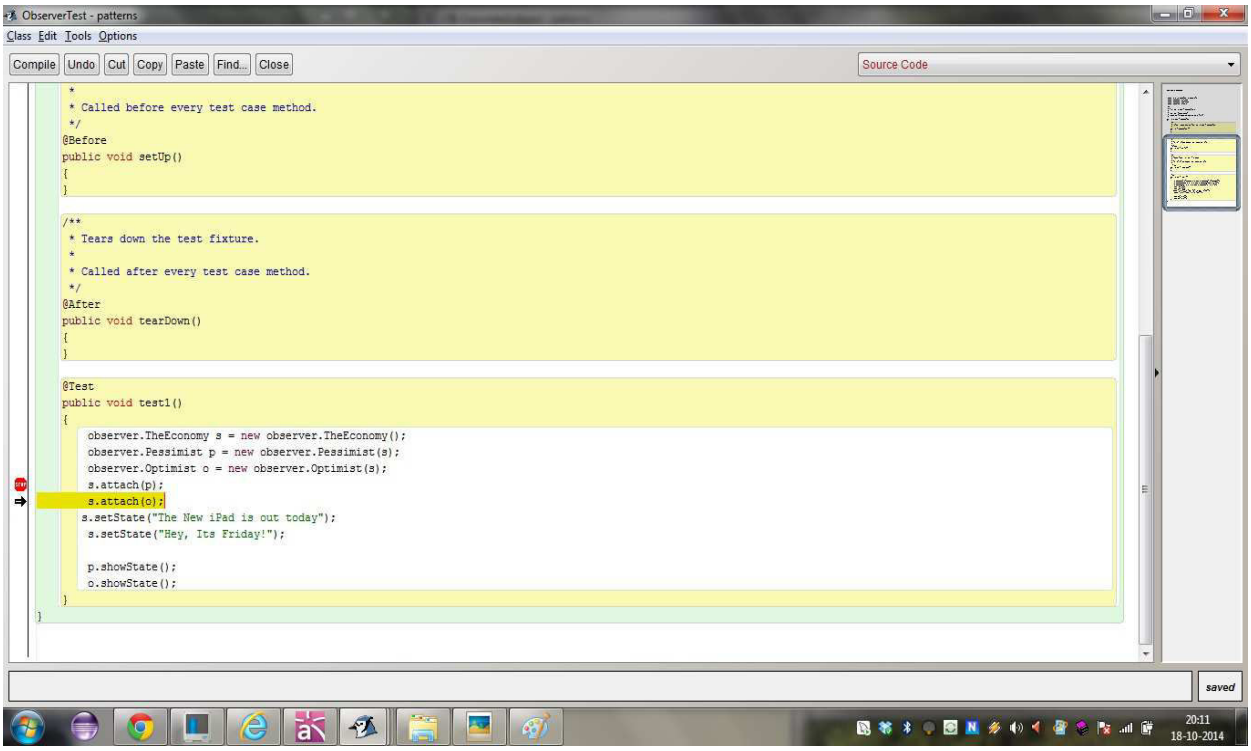
1. Attach pessimist p to the observers Array list



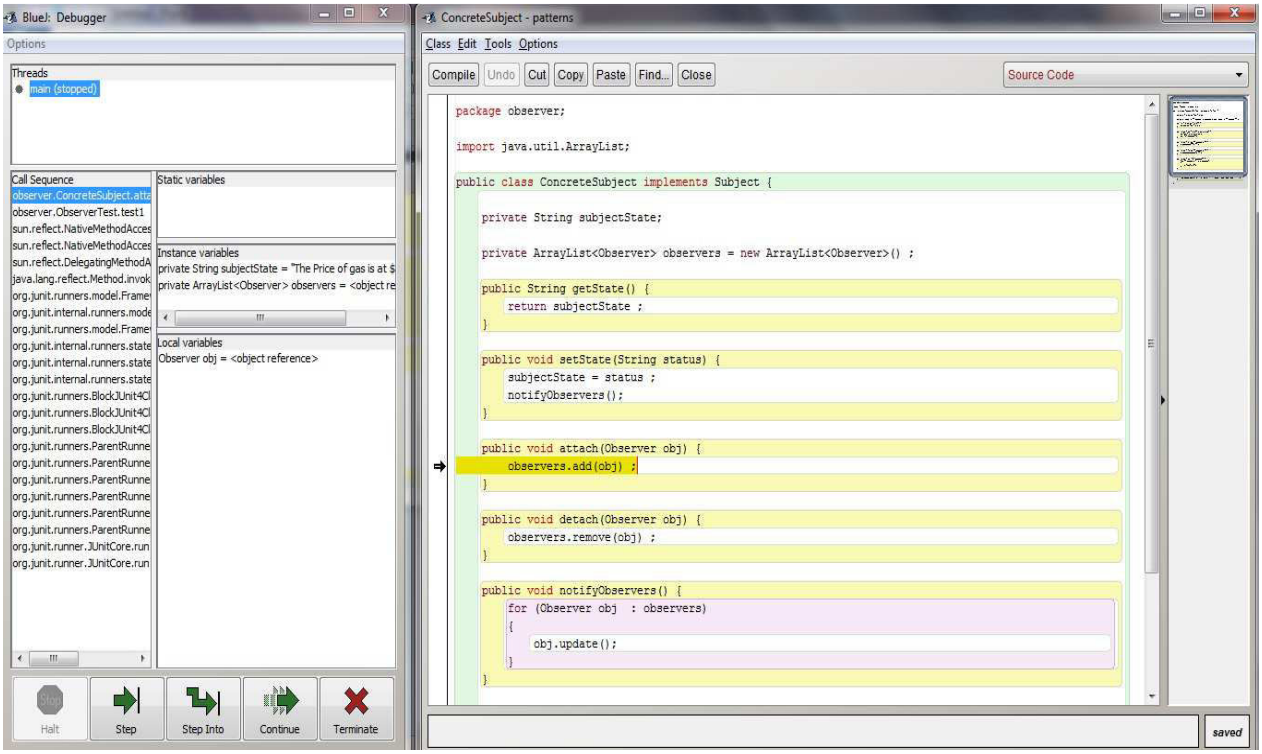

2. Added pessimist p to observers Array list



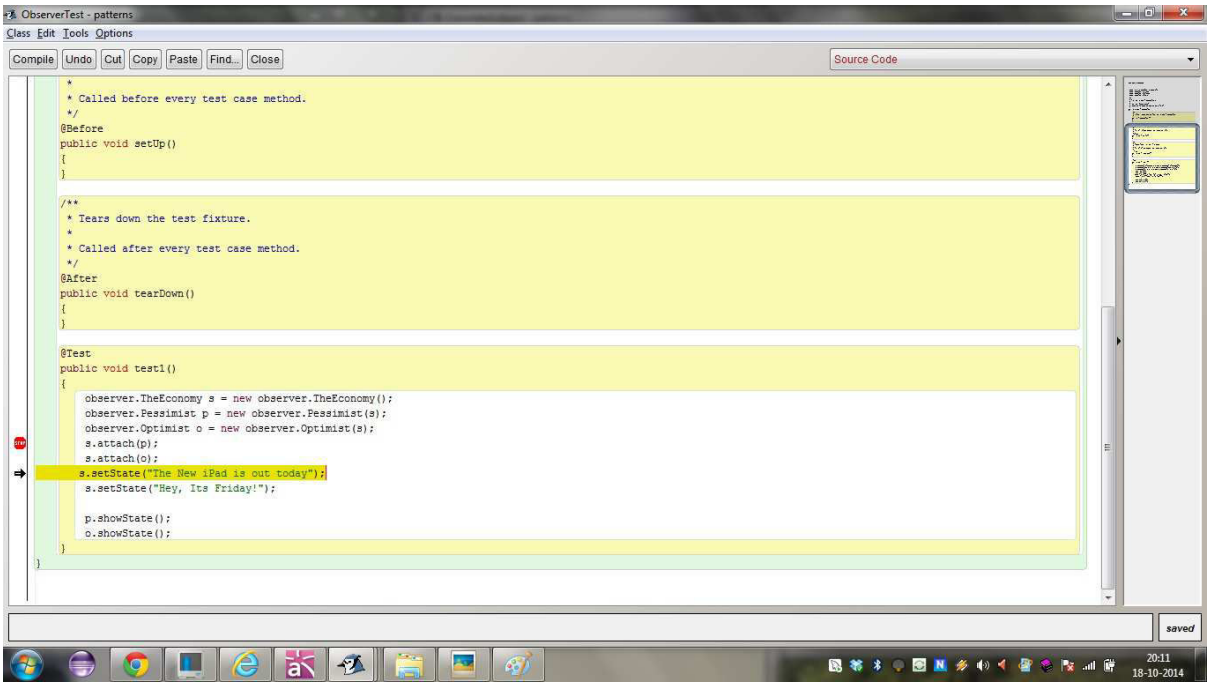
3. Attach optimist o to the observers Array list



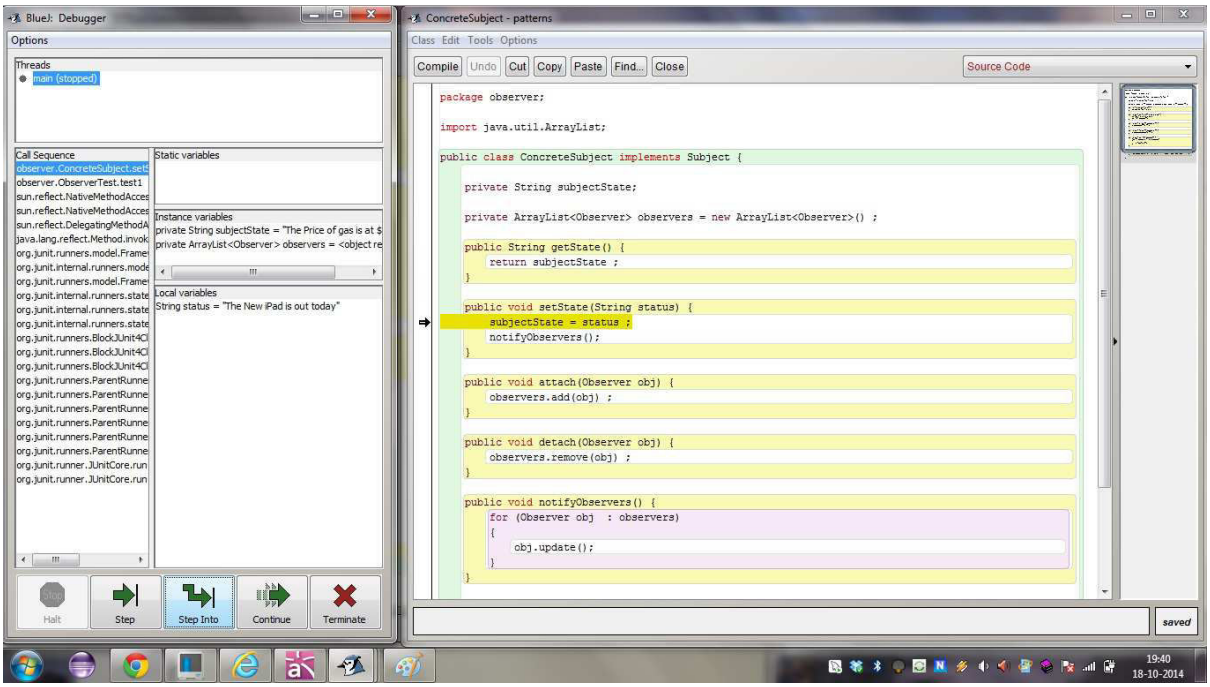

4. Added pessimist p to observers Array list



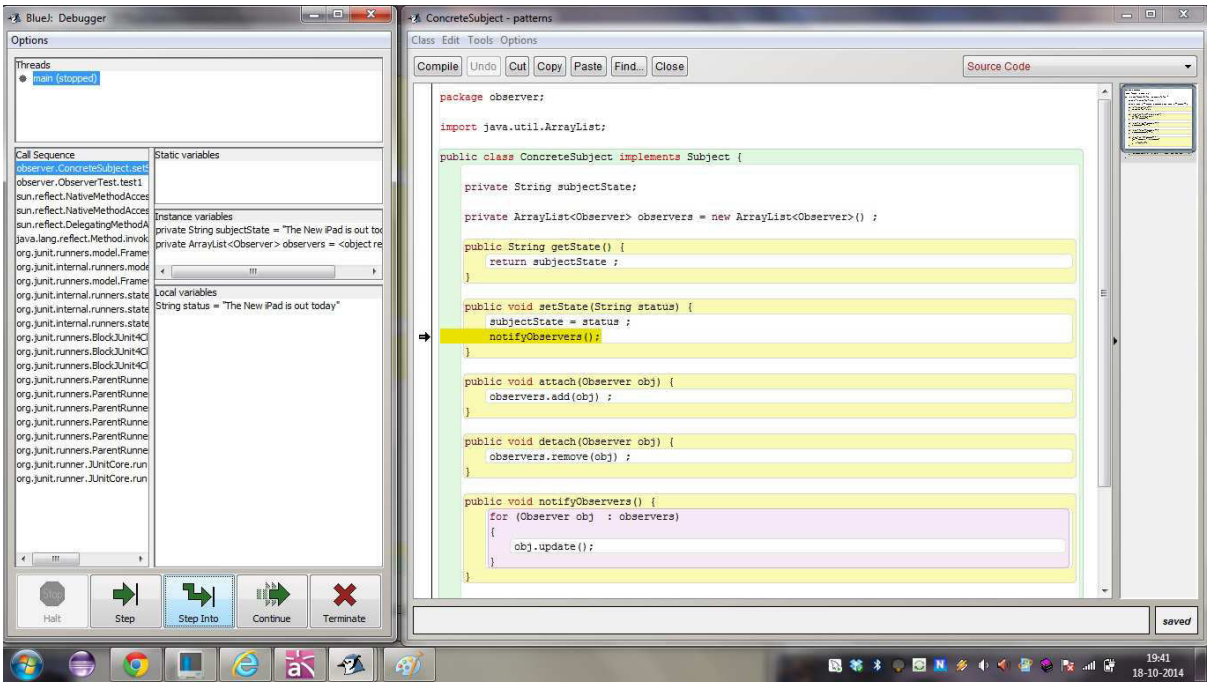
5. setState (String Status)



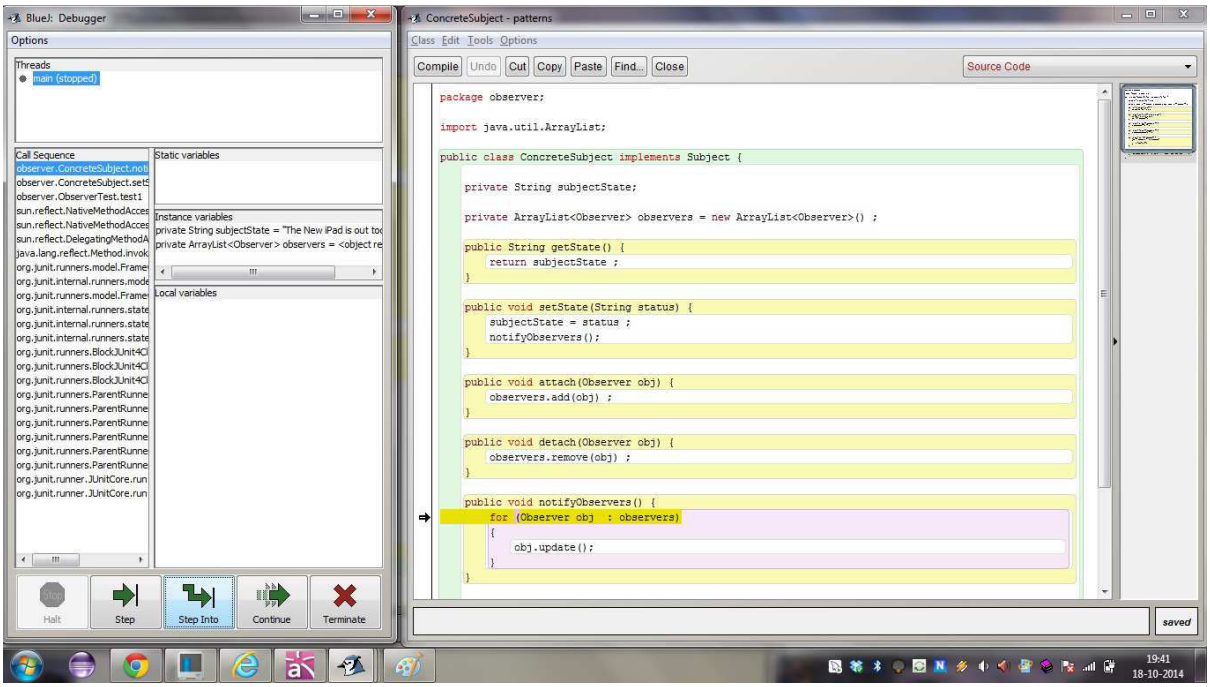

6. Setting subject State



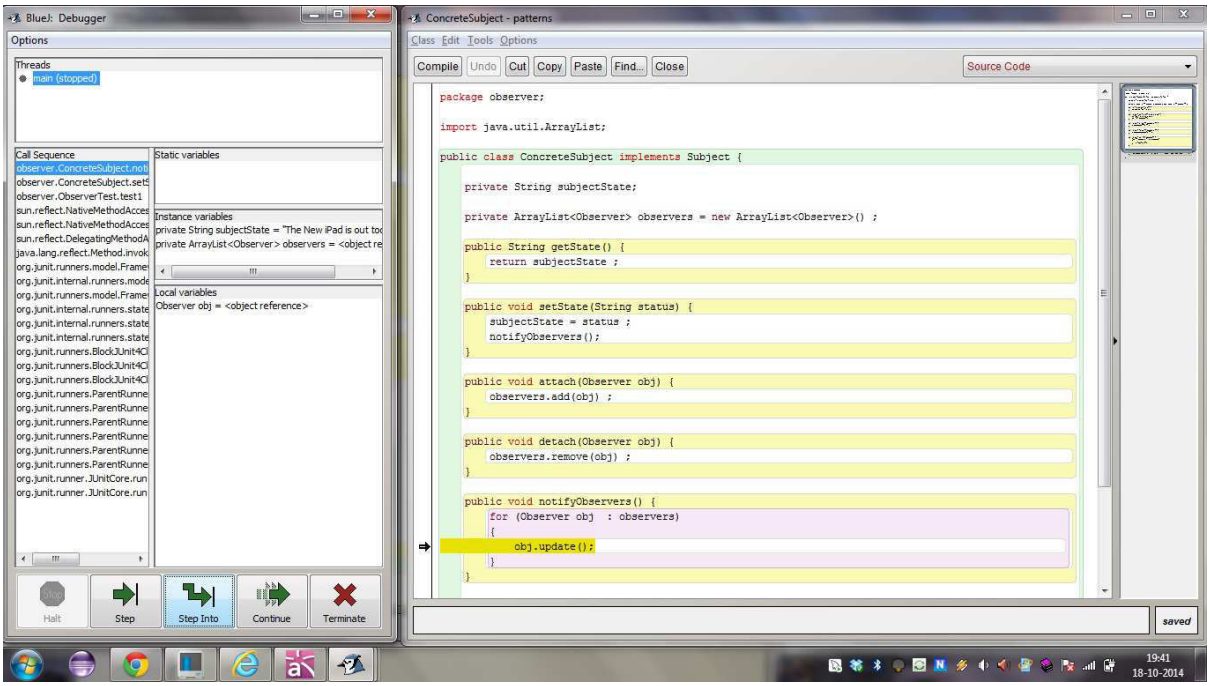
7. Calling notify observers.



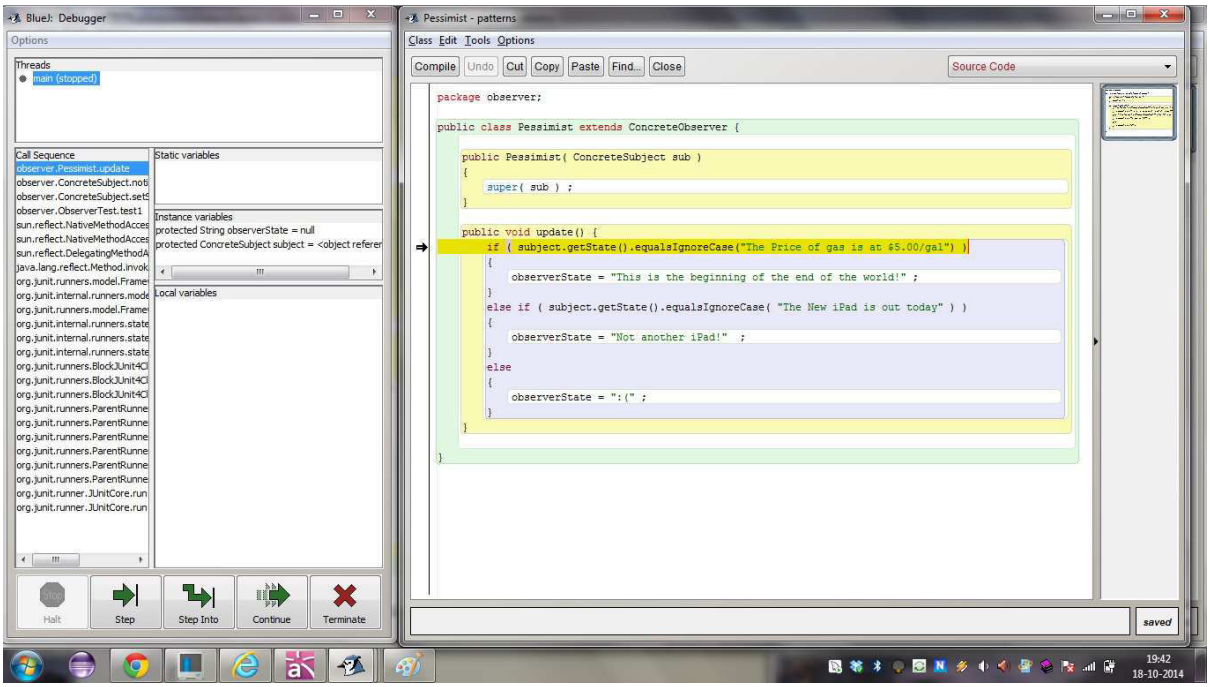

8. Notifying all observers



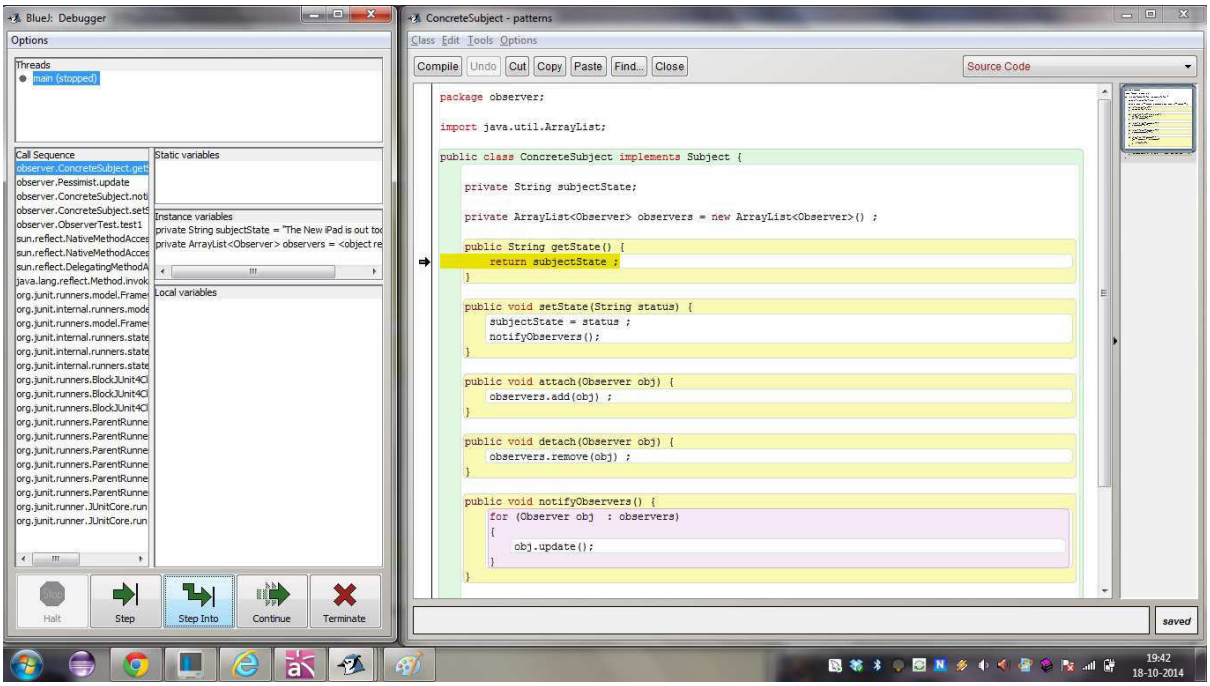
9. Updating observer's state.



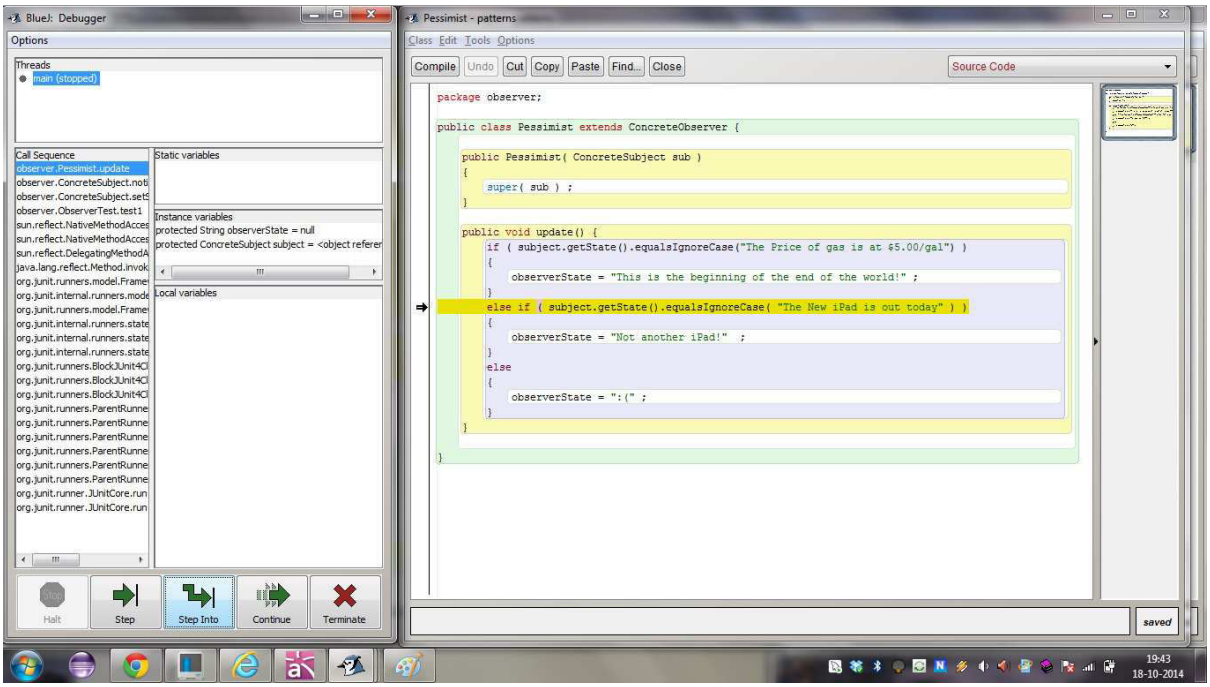

10. Getting subject state.



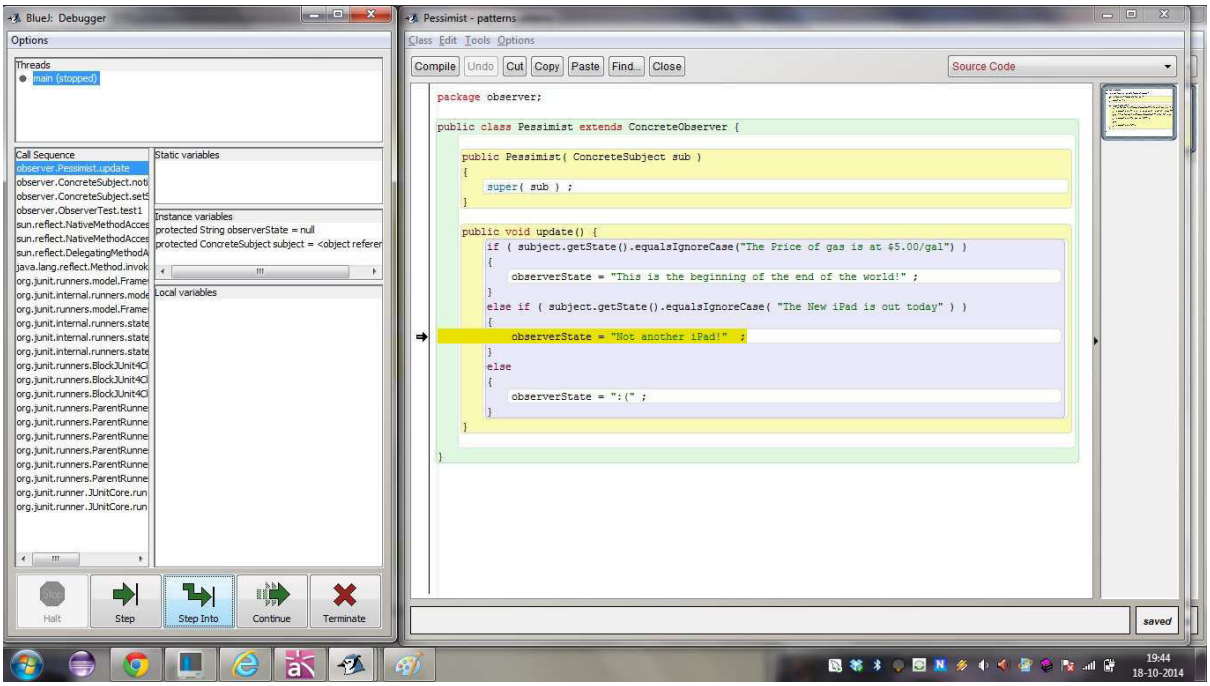
11. Returning subject state



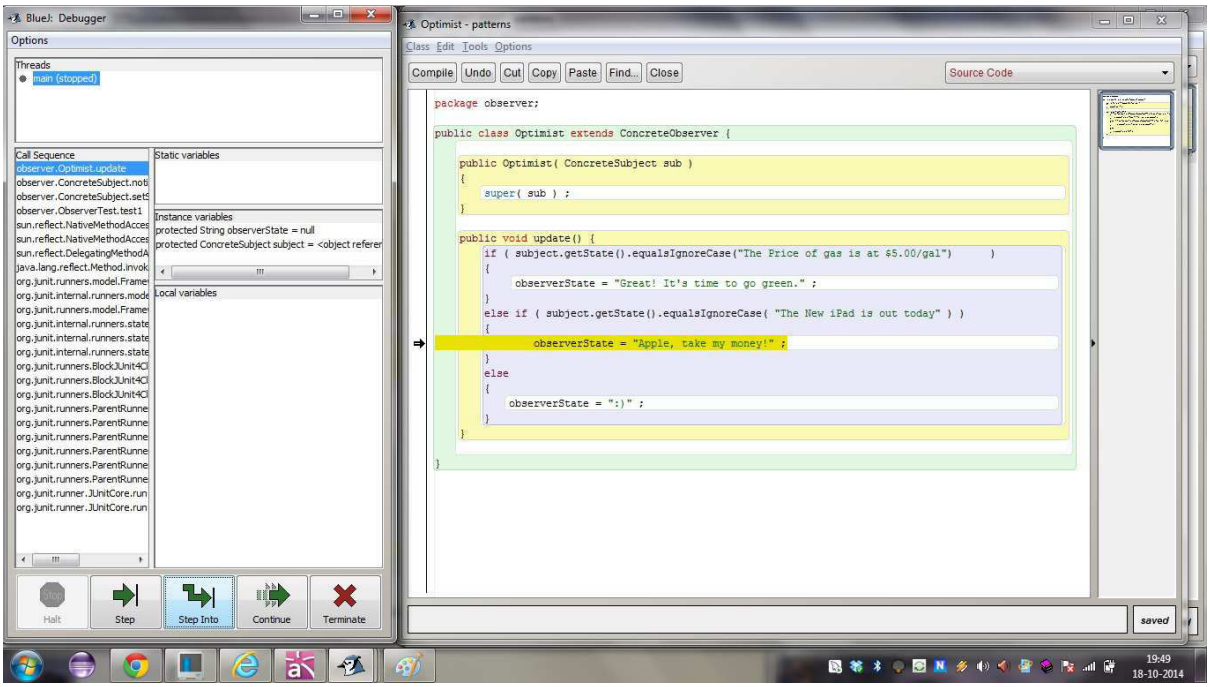

12. Getting subject state.



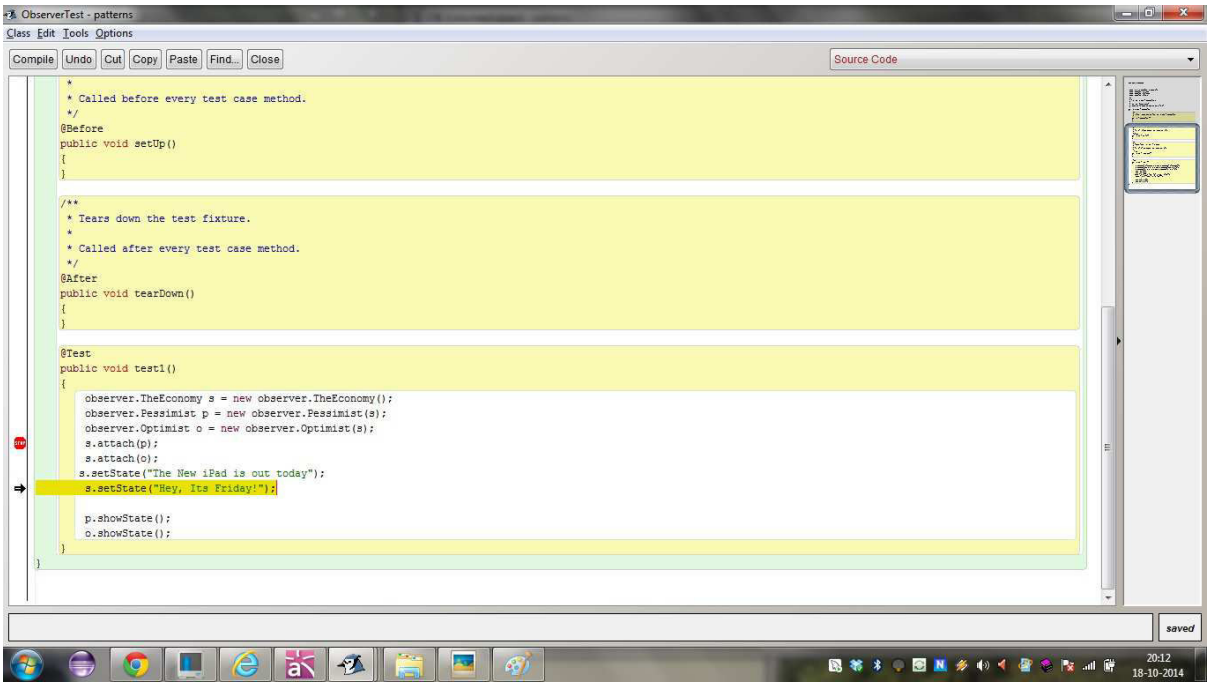
13. Setting Pessimist observer's state



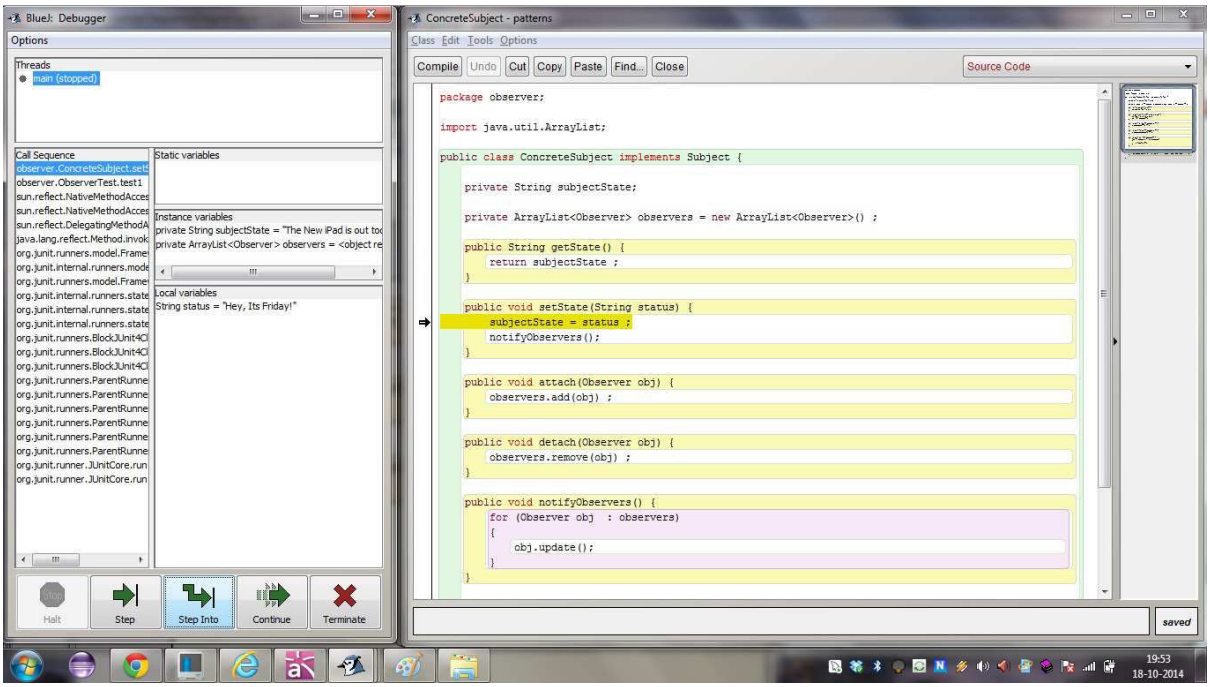

14. Setting Optimist observer's state



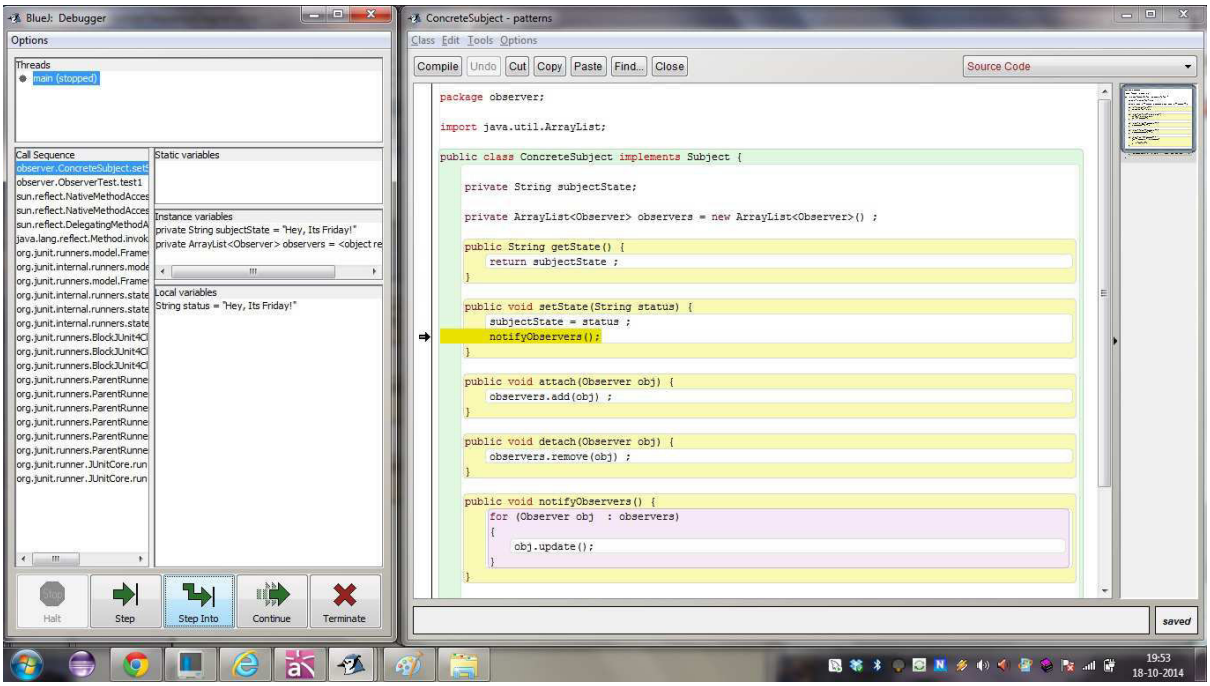
15. setState (String Status)



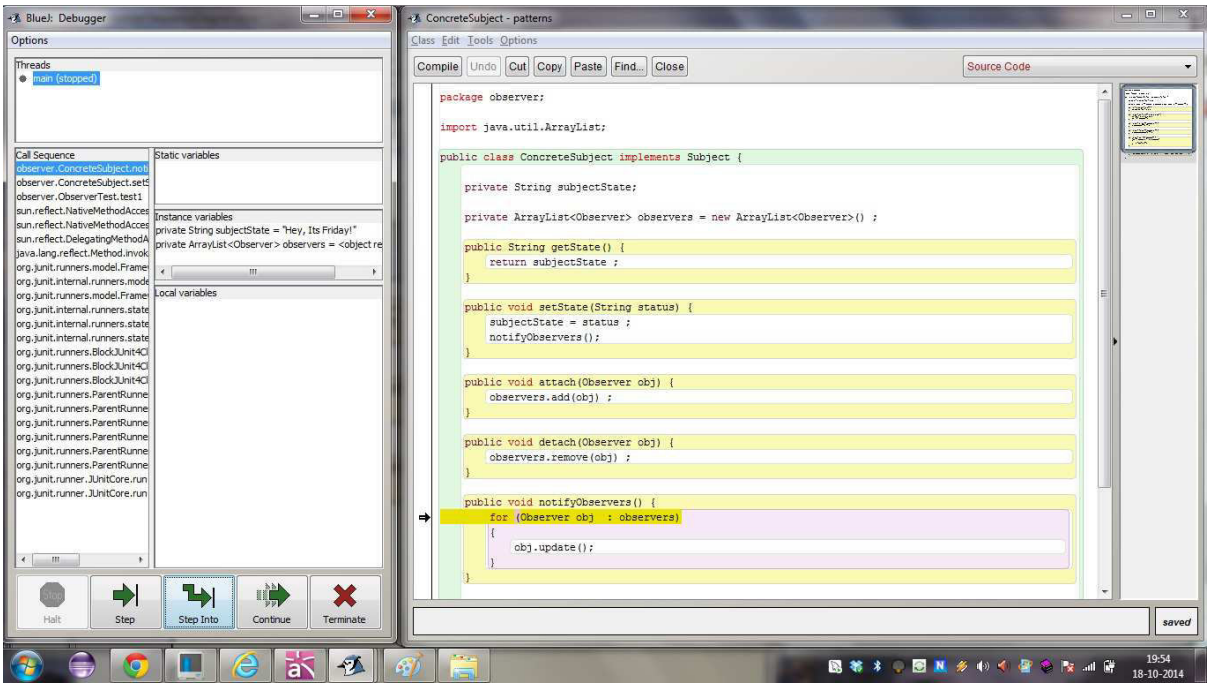

16. Setting subject state.



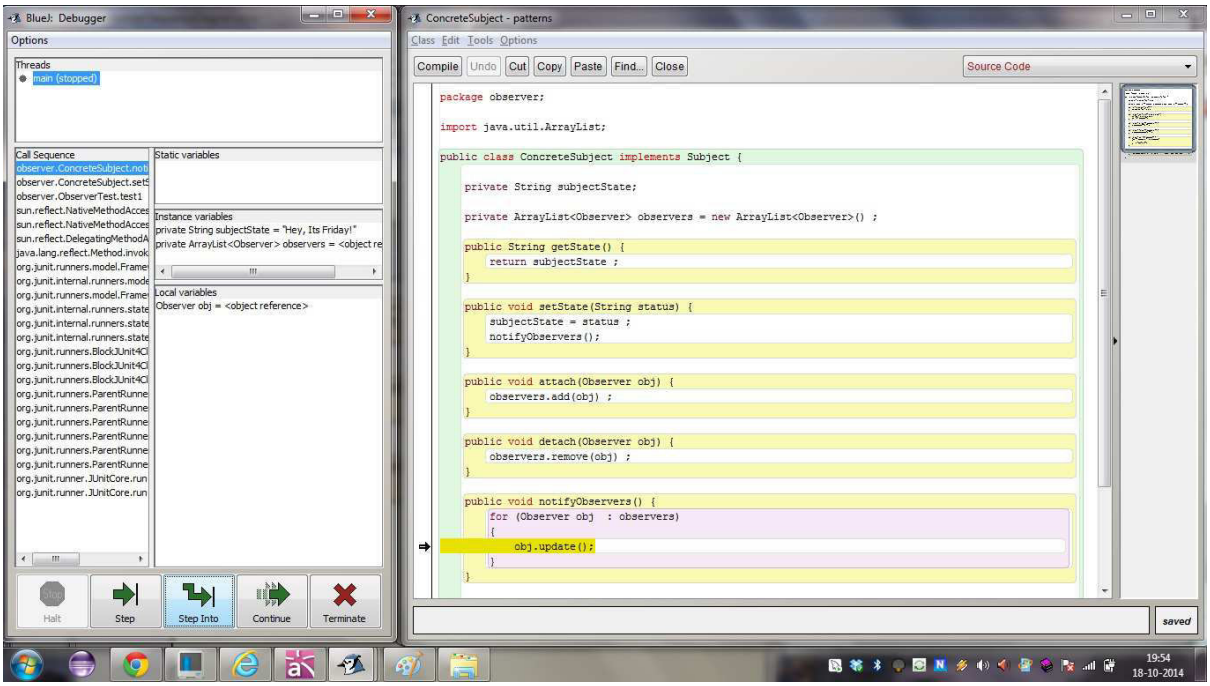
17. Calling notify observers



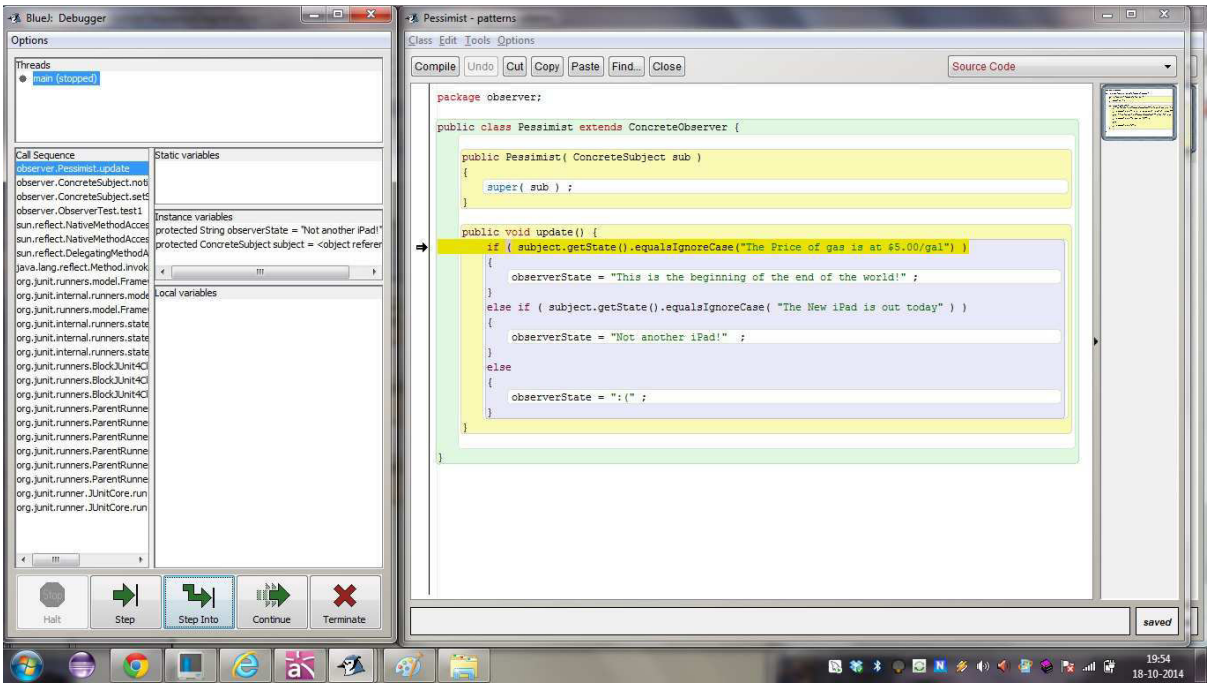

18. Notifying all observer's.



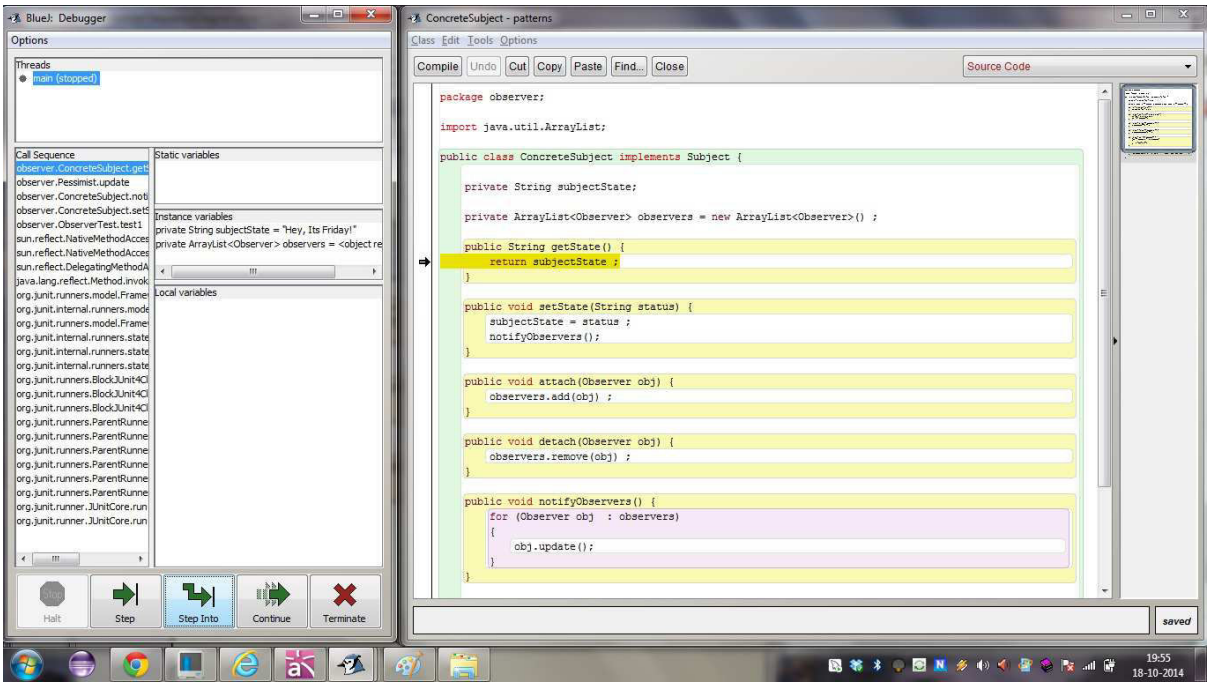
19. Calling update observer's state.



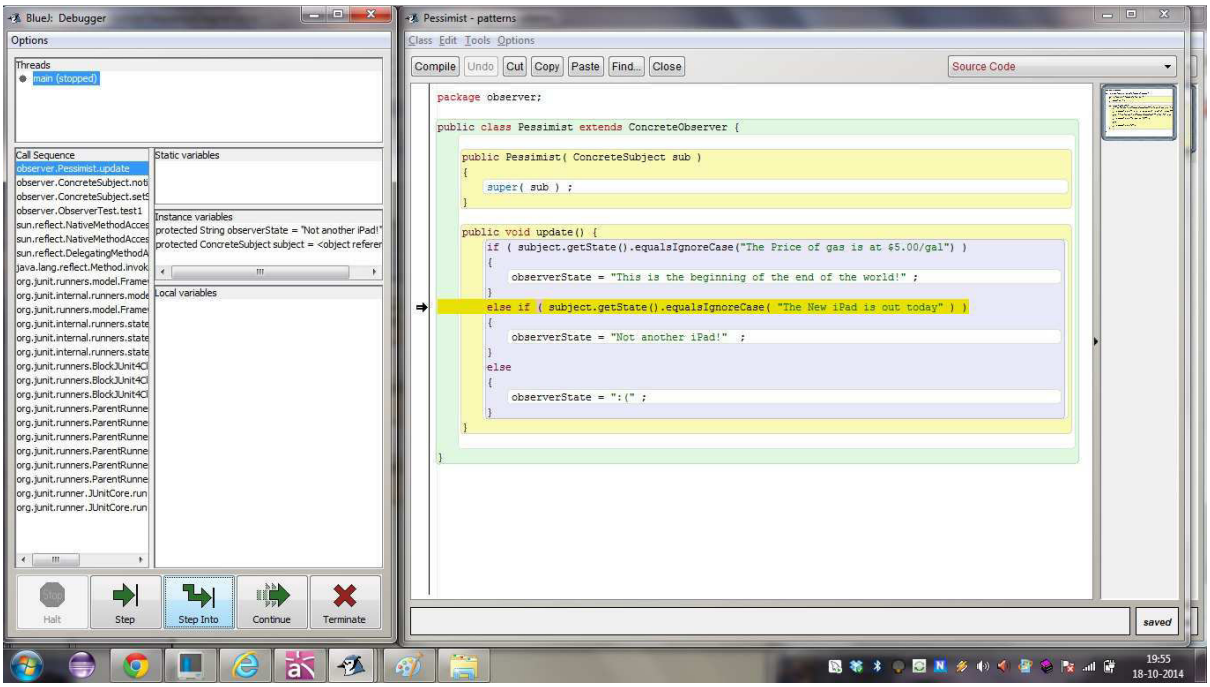

20. Getting subject state



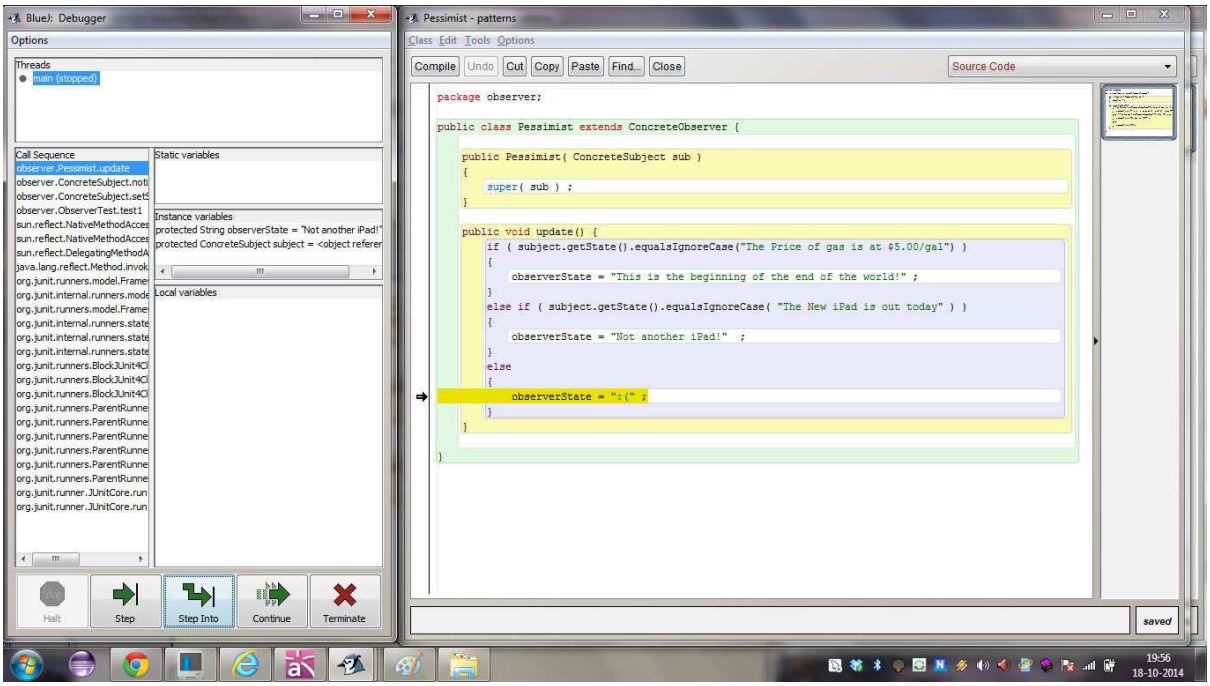
21. Returning subject state



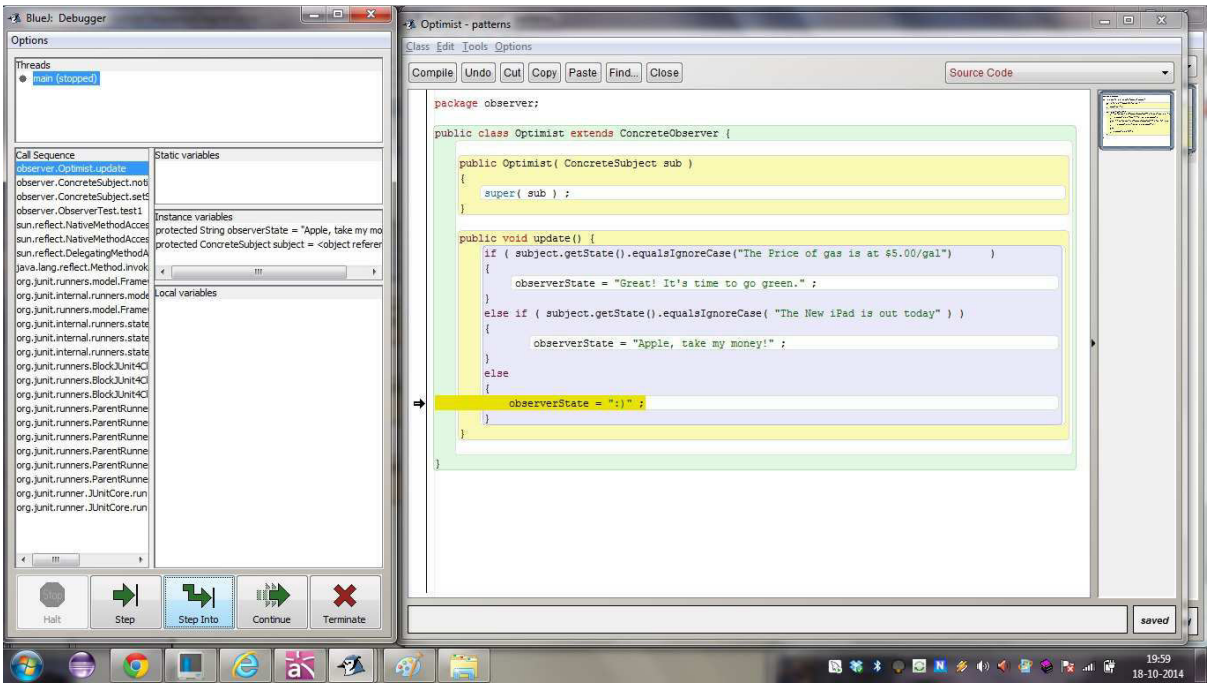

22. Getting subject state



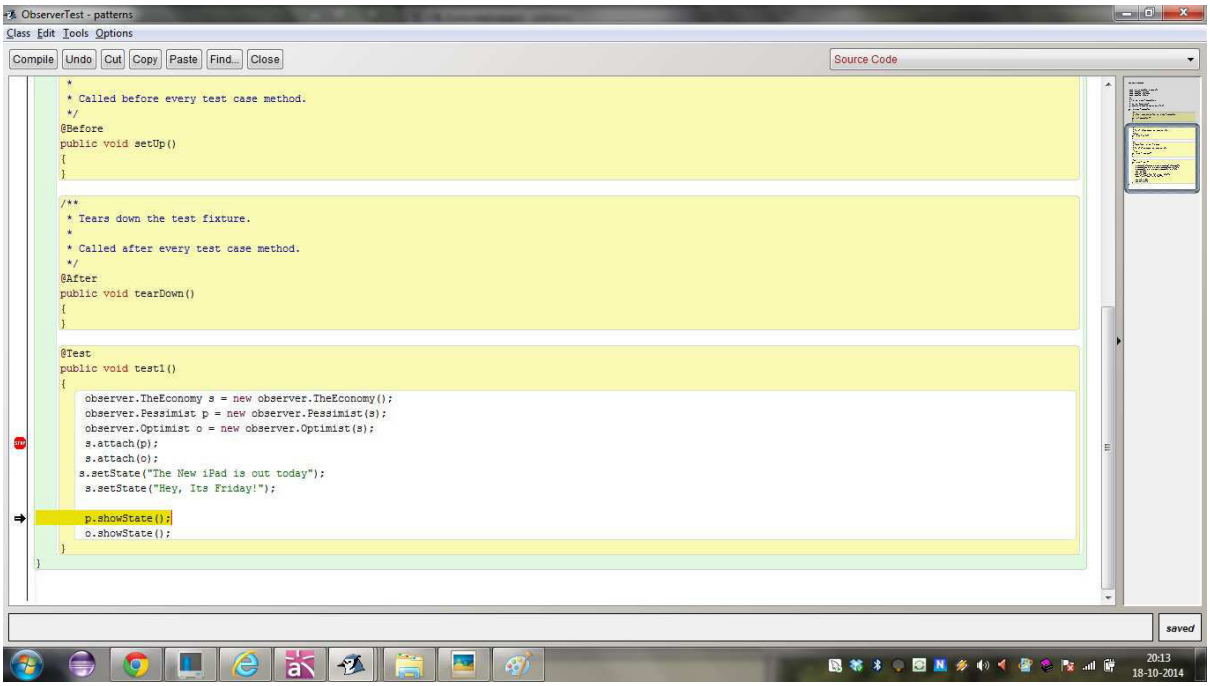
23. Setting pessimist observers state



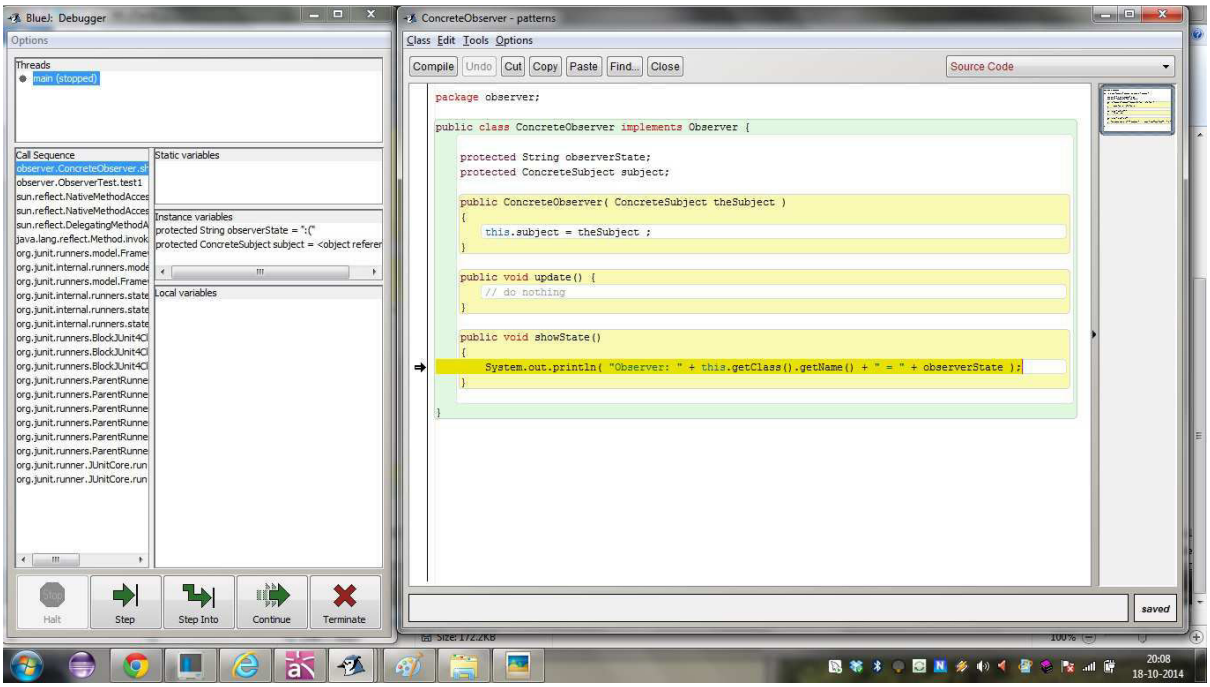

24. Setting optimist observer state



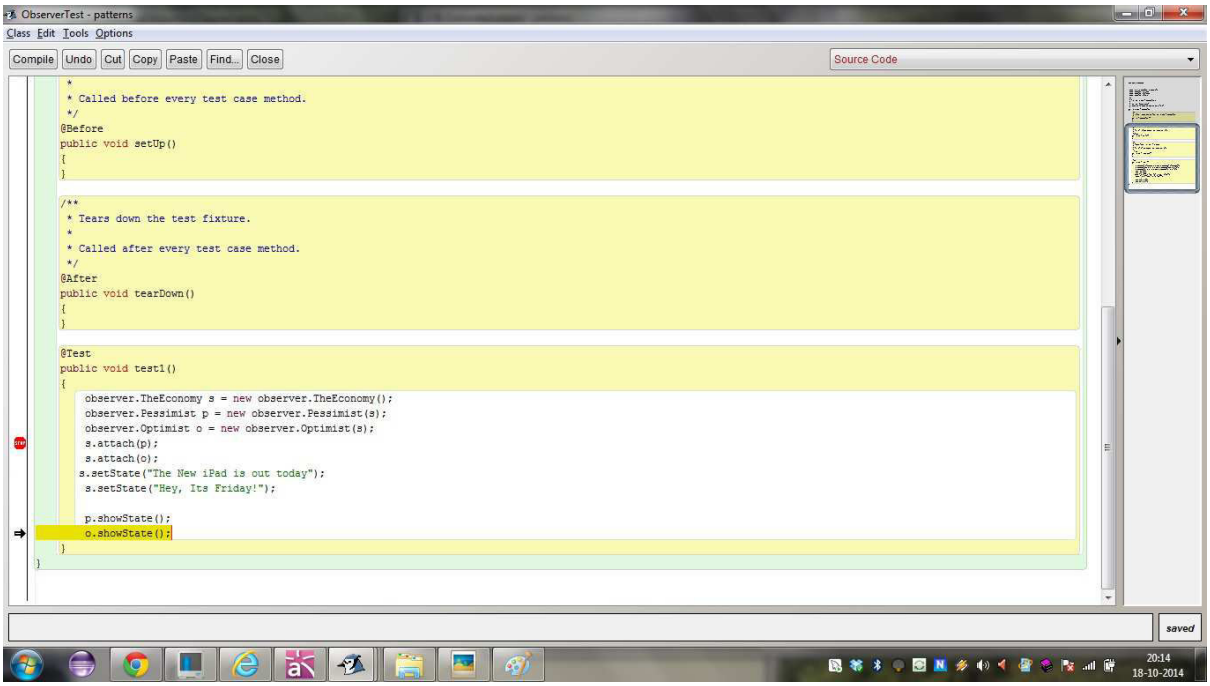
25. Calling show state for Pessimist observer




26. Displaying current state of pessimist



27. Calling show state for Optimist observer




28. Displaying current state of pessimist