Self Study Exercise - Code Coverage

For this assignment, use Lab-JUnit program that you implemented in JUnit exercise. If needed, refactor it for better readability, performance, & design.

Readings:

EclEmma Java Code Coverage tool: http://www.eclemma.org/index.html

---

Step 1:
In the test package ensure that test classes are available for all core package classes. Create various test cases to test all methods of the core package classes. In each test method, generate different test cases with different kinds of inputs, edge cases, valid as well as invalid inputs.

Step 2:
Use the tool EclEmma to produce a code coverage report. Install by going to Eclipse Marketplace and search for EclEmma and click on Install. To run the tests using coverage tool, rightclick on LabTestSuite.java (or the individual test classes or the entire project) and select Coverage As → Junit Test.

Add/edit your test cases to achieve at least 85% coverage in the core package.

Step 3:
After you have performed code coverage analysis create report in HTML format using the Export feature. Click on File → Export → Run/Debug → Coverage Report and click Next. Select HTML format, pick appropriate session and destination to save the report.