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As part of a project for Software Testing course we were asked to test and debug a Java Program. We used Junit to test the program, *printTokens2.java* which converts input string to sequence of tokens and specifies the type of token. We were asked to test 18 methods from the program. At first, we were able to fix the preliminary bugs and started with JUnit testing which was challenging. This project gave us all the opportunity to learn the basic concepts with a hands on experience working on JUnit and JaCoCo by implying our learnings from this course.

Requirements to run the program:

1. Eclipse IDE with JaCoCo plugin installed.
2. There should be two jar files: hamcrest-core.jar and junit.4.12.jar.

Steps for execution

1. Run **Test_allTests.java**. It has all the test cases in it except for the main method.
2. Then, execute **corrected_printtokensTestingMain.java** which has the test cases for the main method.

A Thank You Note:

We would like to thank our Professor and TA for guiding us throughout the course and this project. We have learnt more than we anticipated from this course. All the requirements of this project were new to all of us like Junit and JaCoCo. We were able to learn and implement them in this project. We enjoyed working on this project. We like to thank the Professor and TA for making this course so appealing and guiding us all so effectively throughout this course.