

Project 2

How to invoke:

run “make test” to invoke tests 1-4 and generate the out files.

Assumptions:

All of our in files and expect files will be in the same directory as the java files when ran. The out files will be compared to the expect files.

Comments and character counting is done within tests 2-4.

- Comments(both // and #) are tested throughout, and will be ignored in the output.
- Character and line counting is tested through error output. The error message provides both the line number and character number as specified in Jlex. Within the text files are comments saying which line and char number certain errors will occur on.

Test 1: Keyword Test

```
allTokens.in  
allTokens.out
```

This test checks that all the tokens specified on the project page are accepted. The input file should exactly match the output file.

Test 2: Bad String Test (and illegal characters)

```
badStringLitTest.in  
badStringLitTest.out
```

We test numerous strings, some good and some bad, as well as an illegal character at the end. The explanations of what the test should output are explained within the comments of `badStringLitTest.in` and the exact output is within the file `badStringLitTest.expected`

Test 3: Unterminated String Test

```
untermStringLitTest.in  
untermStringLitTest.out
```

We test numerous unterminated strings and some more special cases at the end of the file. The explanations of what the test should output are explained within the comments of `untermStringLitTest.in` and the exact output is within the file `untermStringLitTest.expected`

Test 4: Bad Integer Test

`badIntLitTest.in`
`badIntLitTest.out`

This test looks over a bunch of “bad” integers and should correctly output the errors. The explanations of what the test should output are explained within the comments of `badIntLitTest.in` and the exact output is within `badIntLitTest.expected`