Name: Liam Kordsmeier

Assignment: 1

Complete and Correct:	4 / 20
Testing:	5 / 5
Clean Code:	2 / 2
Writeup:	2 / 3
Total Score:	13 / 30

Comments:

- 1. (-16) 5+ tests fail, but some pass
- 2. (-1) writeup lacks justification to tests being non-trivial, contains many typos

Unit test output: [INFO] Scanning for projects...

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[INFO]
           ----- cpsc326:cpsc326-mypl >-----
[INFO] Building cpsc326-mypl 1
[INFO] -----[ jar ]------
[TNFO]
             -- maven-resources-plugin:2.6:resources (default-resources) @ cpsc326-mypl ---
 [INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/matt/Space/s25/cpsc326/hw1/hw1-lk911/src/main/resources
[TNFO]
            -- maven-compiler-plugin:3.1:compile (default-compile) @ cpsc326-mypl ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
             -- maven-resources-plugin:2.6:testResources (default-testResources) @ cpsc326-mypl ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /home/matt/Space/s25/cpsc326/hw1/hw1-lk911/src/test/resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cpsc326-mypl ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 3 source files to /home/matt/Space/s25/cpsc326/hw1/hw1-lk911/target/test-classes
[INFO]
[INFO]
                maven-surefire-plugin:3.3.1:test (default-test) @ cpsc326-mypl ---
[INFO] Using auto detected provider org.apache.maven.surefire.junitplatform.JUnitPlatformProvider
[INFO]
[INFO] -----
[INFO] TESTS
 [INFO] ------
 [INFO] Running cpsc326.LexerTests
ERROR] Tests run: 34, Failures: 8, Errors: 1, Skipped: 0, Time elapsed: 0.081 s <<< FAILURE! -- in cpsc326.LexerTests
[ERROR] cpsc326.LexerTests.invalidID -- Time elapsed: 0.023 s
[ERROR] cpsc326.LexerTests.comparatorSymbols -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.comparatorSymbols -- lime elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.sasicDoubleLiterals -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.oneSymbolThenEOS -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.basicIntLiterals -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.otherReservedWords -- Time elapsed: 0 s
[ERROR] cpsc326.LexerTests.oneCharacterStrings -- Time elapsed: 0 0.006 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: <1> but was: <2> at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197) at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150) at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531) at cpsc326.LexerTests.oneCharacterStrings(LexerTests.java:213)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.LexerTests.missingDoubleDigit -- Time elapsed: 0.001 s <<< FAILURE! org.opentest4j.AssertionFailedError: Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
    org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:152)
at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:73) at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:35)
at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3115) at cpsc326.LexerTests.missingDoubleDigit(LexerTests.java:633)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
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[ERROR] cpsc326.LexerTests.invalidSymbol -- Time elapsed: 0.001 s
 [ERROR] cpsc326.LexerTests.oneSymbolPerline -- Time elapsed: 0.001 s
 [ERROR] cpsc326.LexerTests.emptyInput -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.tokensWithNoSpaces -- Time elapsed: 0 s
 [ERROR] cpsc326.LexerTests.specialLiterals -- Time elapsed: 0 s
ERROR] cpsc326.LexerTests.oneCommentThenEOS -- Time elapsed: 0.002 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: <1> but was: <0>
 at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at \ \text{org.junit.jupiter.api.} Assertion Failure Builder.build And Throw (Assertion Failure Builder.java: 132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org. junit. jupiter. api. Assertions. assertEquals (Assertions. java:531) at cpsc326.LexerTests.oneCommentThenEOS(LexerTests.java:81)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
 at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
 [ERROR] cpsc326.LexerTests.arithmeticSymbols -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.numbersWithNoSpaces -- Time elapsed: 0.001 s <<< ERROR! cpsc326.MyPLException: LEXER_ERROR: [1,5] invalid number format
 at cpsc326.MyPLException.lexerError(MyPLException.java:42)
at cpsc326.Lexer.error(Lexer.java:98)
at cpsc326.Lexer.nextToken(Lexer.java:197)
at cpsc326.LexerTests.numbersWithNoSpaces(LexerTests.java:580)
at java.base/java.lang.reflect.Method.invoke(Method.java:580) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
 [ERROR] cpsc326.LexerTests.unrecognizedSymbol1 -- Time elapsed: 0.001 s
 [ERROR] cpsc326.LexerTests.unrecognizedSymbol2 -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.unrecognizedSymbol2 -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.nonTerminatedString -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.nestedStructuresAndStrings -- Time elapsed: 0 s
[ERROR] cpsc326.LexerTests.loopStatementReservedWords -- Time elapsed: 0 s
[ERROR] cpsc326.LexerTests.logicalOperators -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.twcOmments -- Time elapsed: 0.001 s
[CRROR] cpsc326.LexerTests.loopStatementReservedWords -- Time elapsed: 0.001 s
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197) at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531) at cpsc326.LexerTests.twoComments(LexerTests.java:102)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
 [ERROR] cpsc326.LexerTests.ifStatementReservedWords -- Time elapsed: 0.001 s
 [ERROR] cpsc326.LexerTests.invalidSymbolCombination -- Time elapsed: 0.002 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cpsc326.MyPLException to be thrown, but nothing was thrown. at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:152)
at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:73)
at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:35) at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3115)
at cpsc326.LexerTests.invalidSymbolCombination(LexerTests.java:624)
at java.base/java.lang.reflect.Method.invoke(Method.java:580) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
 [ERROR] cpsc326.LexerTests.complexArithmeticAndComparisons -- Time elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.complexArithmeticAnducomparisons -- lime elapsed: 0.001 s
[ERROR] cpsc326.LexerTests.asicIdentifiers -- Time elapsed: 0 s
[ERROR] cpsc326.LexerTests.multiCharacterStrings -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: (1) but was: (2)
at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)
 at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531)
at cpsc326.LexerTests.multiCharacterStrings(LexerTests.java:235)
at java.base/java.lang.reflect.Method.invoke(Method.java:580) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
 [ERROR] cpsc326.LexerTests.punctuationSymbols -- Time elapsed: 0.001 s
| IERROR] cpsc326.LexerTests.combinedSymbolsAndLiterals -- Time elapsed: 0 s
| IERROR] cpsc326.LexerTests.leadingZero -- Time elapsed: 0.001 s <<< FAILURE!
| org.opentest4j.AssertionFailedError: Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
     org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:152)
at org.junit.jupiter.api.AssertThrows.assertThrows.(AssertThrows.java:73) at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:35)
 at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3115)
at cpsc326.LexerTests.leadingZero(LexerTests.java:642) at java.base/java.lang.reflect.Method.invoke(Method.java:580)
     java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
 [ERROR] cpsc326.LexerTests.tokensWithComments -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: <7> but was: <-7> at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132) at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
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at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531)
at cpsc326.LexerTests.tokensWithComments(LexerTests.java:510) at java.base/java.lang.reflect.Method.invoke(Method.java:580)
   java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArravList.forEach(ArravList.java:1596)
[ERROR] cpsc326.LexerTests.primiteTypeNames -- Time elapsed: 0.001 s
[INFO] Running cpsc326.HW1Tests
[ERROR] Tests run: 29, Failures: 9, Errors: 1, Skipped: 0, Time elapsed: 0.033 s <<< FAILURE! -- in cpsc326.HW1Tests
[ERROR] cpsc326.HWiTests.invalidID -- Time elapsed: 0.001 s (<< FAILURE! org.opentest4j.AssertionFailedError: expected: <3> but was: <4> at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
\verb|at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)| \\
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531)
at cpsc326.HW1Tests.comparatorSymbols(HW1Tests.java:163)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.basicDoubleLiterals -- Time elapsed: 0.001 s [ERROR] cpsc326.HW1Tests.oneSymbolThenEOS -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.basicIntLiterals -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.otherReservedWords -- Time elapsed: 0 s
[ERROR] cpsc326.HW1Tests.oneCharacterStrings -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: <1> but was: <2>
at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151) at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531) at cpsc326.HW1Tests.oneCharacterStrings(HW1Tests.java:212)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArravList.forEach(ArravList.java:1596)
[ERROR] cpsc326.HWiTests.missingDoubleDigit -- Time elapsed: 0.002 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:152)
\textbf{at} \quad \texttt{org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:73)}\\
at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:35)
at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3115)
at cpsc326.HWiTests.missingDoubleDigit(HWiTests.java:632)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.invalidSymbol -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.oneSymbolPerline -- Time elapsed: 0.001 s
ERROR] cpsc326.HW1Tests.emptyInput -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.tokensWithNoSpaces -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.specialLiterals -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.oneCommentThenEOS -- Time elapsed: 0.001 s <<< FAILURE! org.opentest4j.AssertionFailedError: expected: <1> but was: <0> at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531) at cpsc326.HW1Tests.oneCommentThenEOS(HW1Tests.java:80)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.arithmeticSymbols -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.numbersWithNoSpaces -- Time elapsed: 0.001 s <<< ERROR!
cpsc326.MvPLException: LEXER ERROR: [1.5] invalid number format
at cpsc326.MyPLException.lexerError(MyPLException.java:42)
at cpsc326.Lexer.error(Lexer.java:98)
at cpsc326.Lexer.nextToken(Lexer.java:197)
at cpsc326.HW1Tests.numbersWithNoSpaces(HW1Tests.java:579)
at java.base/java.lang.reflect.Method.invoke(Method.java:580) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.nonTerminatedString -- Time elapsed: 0.001 s
ERROR] cpsc326.HW1Tests.loopStatementReservedWords -- Time elapsed: 0 s
[ERROR] cpsc326.HW1Tests.logicalOperators -- Time elapsed: 0 s
[ERROR] cpsc326.HW1Tests.twoComments -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: <1> but was: <-10> at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150) at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531) at cpsc326.HW1Tests.twoComments(HW1Tests.java:101)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.ifStatementReservedWords -- Time elapsed: 0 s
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[ERROR] cpsc326.HW1Tests.invalidSymbolCombination -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cpsc326.MyPLException to be thrown, but nothing was thrown. at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:152)
at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:73)
at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:35)
at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3115)
at cpsc326.HMiTests.invalidSymbolCombination(HWiTests.java:623) at java.base/java.lang.reflect.Method.invoke(Method.java:580) at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.basicIdentifiers -- Time elapsed: 0.001 s
[ERROR] cpsc326.HW1Tests.oneSymbol -- Time elapsed: 0.001 s
ERRORJ cpsc326.HM1Tests.multiCharacterStrings -- Time elapsed: 0.001 s <<< FAILURE! org.opentest4j.AssertionFailedError: expected: <1> but was: <2>
at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151)
at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
\verb|at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150)| \\
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531) at cpsc326.HW1Tests.multiCharacterStrings(HW1Tests.java:234)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.punctuationSymbols -- Time elapsed: 0 s
[ERROR] cpsc326.HW1Tests.leadingZero -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:152) at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:73)
at org.junit.jupiter.api.AssertThrows.assertThrows(AssertThrows.java:35)
at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3115) at cpsc326.HW1Tests.leadingZero(HW1Tests.java:641)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.tokensWithComments -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: expected: <7> but was: <-7>
at org.junit.jupiter.api.AssertionFailureBuilder.build(AssertionFailureBuilder.java:151) at org.junit.jupiter.api.AssertionFailureBuilder.buildAndThrow(AssertionFailureBuilder.java:132)
at org.junit.jupiter.api.AssertEquals.failNotEqual(AssertEquals.java:197)
at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:150) at org.junit.jupiter.api.AssertEquals.assertEquals(AssertEquals.java:145)
at org.junit.jupiter.api.Assertions.assertEquals(Assertions.java:531)
at cpsc326.HWiTests.tokensWithComments(HWiTests.java:509) at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach (ArrayList.java:1596) at java.base/java.util.ArrayList.forEach (ArrayList.java:1596)
[ERROR] cpsc326.HW1Tests.primiteTypeNames -- Time elapsed: 0 s
[INFO] Running cpsc326.TokenTests
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.009 s -- in cpsc326.TokenTests
[INFO] cpsc326.TokenTests.basicTokenCreation -- Time elapsed: 0.007 s
[INFO] cpsc326.TokenTests.correctLineColumnTokenCreation -- Time elapsed: 0.001 s
[INFO]
[INFO] Results:
[INFO]
[ERROR] Failures:
            HW1Tests.comparatorSymbols:163 expected: <3> but was: <4>
[ERROR]
            HWITests invalidSymbolCombination:623 Expected cpsc326 MyPLException to be thrown, but nothing was thrown.
FERROR 1
            HW1Tests.leadingZero:641 Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
            HWITests.missingDoubleDigit:632 Expected cpsc326.MyPLException to be thrown, but nothing was thrown. HWITests.multiCharacterStrings:234 expected: <1> but was: <2>
[ERROR]
[ERROR]
[ERROR]
            {\tt HW1Tests.oneCharacterStrings:} 212 \texttt{ expected: <1> but was: <2>}
[ERROR]
            HW1Tests.oneCommentThenEOS:80 expected: <1> but was: <0>
[ERROR]
             HW1Tests.tokensWithComments:509 expected: <7> but was: <-7>
FERROR 1
            HW1Tests twoComments:101 expected: <1> but was: <-10>
             LexerTests.invalidSymbolCombination:624 Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
[ERROR]
[ERROR]
            LexerTests.leadingZero:642 Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
[ERROR]
            LexerTests missingDoubleDigit: 633 Expected cpsc326.MyPLException to be thrown, but nothing was thrown.
[ERROR]
             LexerTests.multiCharacterStrings:235 expected: <1> but was:
            LexerTests.oneCharacterStrings:213 expected: <1> but was: <2> LexerTests.oneCommentThenEOS:81 expected: <1> but was: <0>
[ERROR]
[ERROR]
             LexerTests.tokensWithComments:510 expected: <7> but was: <-7>
[ERROR]
FRR OR T
            LexerTests.twoComments:102 expected: <11> but was: <-10>
[ERROR] Errors:
           HW1Tests.numbersWithNoSpaces:579 > MyPL LEXER_ERROR: [1,5] invalid number format
LexerTests.numbersWithNoSpaces:580 > MyPL LEXER_ERROR: [1,5] invalid number format
[ERROR]
[ERROR]
-
[INFO]
[ERROR] Tests run: 65, Failures: 17, Errors: 2, Skipped: 0
[INFO]
- -
[INFO] -----
[INFO] BUILD FAILURE
[INFO] Total time: 1.605 s
[INFO] Finished at: 2025-02-09T21:41:27-08:00
[INFO]
ERROR] Failed to execute goal org.apache.maven.plugins:maven-surefire-plugin:3.3.1:test (default-test) on project cpsc326-mypl: There are test failures.
[ERROR]
[ERROR] Please refer to /home/matt/Space/s25/cpsc326/hw1/hw1-lk911/target/surefire-reports for the individual test results.
[ERROR] Please refer to dump files (if any exist) [date] dump, [date] jvmRun[N] dump and [date] dumpstream.
[ERROR] -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging
```

```
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
```

Program output:

```
./mypl -m LEX examples/hw1_tokens.mypl | diff -w examples/hw1_tokens.out - > out 2>&1
1,2c1,2
< COMMENT " for testing that tokens are being correctly recognized" line 1 column 1</pre>
< COMMENT " punctuation tokens: " line 2 column 5
< COMMENT " arithmetic and relational comparators" line 5 column 2
> COMMENT " arithmetic and relational comparators " line 5 column -38
18,19c18,19 < EQUAL "==" line 6 column 12
< NOT_EQUAL "!=" line 6 column 15
> EQUAL "==" line 6 column 13
> NOT_EQUAL "!=" line 6 column 16
< LESS_EQ "<=" line 6 column 19
< GREATER_EQ ">=" line 6 column 22
> LESS_EQ "<=" line 6 column 20
> GREATER_EQ ">=" line 6 column 23
24,31c24,31
< COMMENT " all done" line 6 column 27 < COMMENT " some strings:" line 8 column 1
< STRING_VAL "" line 9 column 1
< STRING_VAL "hello!" line 9 column 4
< STRING_VAL "a normal string" line 9 column 13
< STRING_VAL "a 'string' string" line 9 column 31
< STRING_VAL "5 + 4 <= 3 + 6" line 9 column 51</pre>
< COMMENT " some numbers" line 11 column 1
> COMMENT " all done" line 6 column -9
> COMMENT " some strings: " line 8 column -14
> STRING_VAL "" line 9 column 2
> STRING_VAL "hello!" line 9 column 5
> STRING_VAL "a normal string" line 9 column 14
> STRING_VAL "a 'string' string" line 9 column 32
> STRING_VAL "5 + 4 <= 3 + 6" line 9 column 52
> COMMENT " some numbers" line 11 column -13
38c38
< COMMENT " integers" line 13 column 39
> COMMENT " integers" line 13 column -9
44,45c44,45
< COMMENT " doubles" line 15 column 39
< COMMENT " reserved words" line 17 column 1
> COMMENT " doubles" line 15 column -8
> COMMENT " reserved words" line 17 column -15
< COMMENT " identifiers" line 22 column 1
> COMMENT " identifiers" line 22 column -12
75c75
< COMMENT " combos" line 26 column 1
> COMMENT " combos" line 26 column -7
99,106d98
99,106d98

ODUBLE_VAL "3.4" line 30 column 1

<DOT "." line 30 column 4

<INT_VAL "2" line 30 column 5

ID "food" line 30 column 6

<DOT "." line 30 column 6</pre>
< INT_VAL "1" line 30 column 11
< INT_VAL "1" line 30 column 11
< STRING_VAL "hi" line 30 column 12
< EOS "end-of-stream" line 31 column 1</pre>
```