

Name: *Liam Kordsmeier*

Assignment: 1

Complete and Correct:	0 / 20
Testing:	0 / 5
Clean Code:	0 / 2
Writeup:	0 / 3

Total Score:	0 / 30
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Comments:

1. no submission

Unit test output:

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[INFO] Scanning for projects...
[INFO]
[INFO] -----< cpsc326:cpsc326-mycl >-----
[INFO] Building cpsc326-mycl 1
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ cpsc326-mycl ---
[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
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ cpsc326-mycl ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ cpsc326-mycl ---
[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]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ cpsc326-mycl ---
[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-mycl ---
[INFO] Using auto detected provider org.apache.maven.surefire.junitplatform.JUnitPlatformProvider
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running cpsc326.LexerTests
[ERROR] Tests run: 29, Failures: 6, Errors: 23, Skipped: 0, Time elapsed: 0.058 s <<< FAILURE! -- in cpsc326.LexerTests
[ERROR] cpsc326.LexerTests.invalidID -- Time elapsed: 0.016 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.invalidID(LexerTests.java:659)
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.comparatorSymbols -- Time elapsed: 0.002 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.comparatorSymbols(LexerTests.java:150)
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.basicDoubleLiterals -- Time elapsed: 0.002 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.basicDoubleLiterals(LexerTests.java:285)
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.oneSymbolThenEOS -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.oneSymbolThenEOS(LexerTests.java:62)
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] cp326.LexerTests.basicIntLiterals -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.basicIntLiterals(LexerTests.java:253)
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] cp326.LexerTests.otherReservedWords -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.otherReservedWords(LexerTests.java:432)
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] cp326.LexerTests.oneCharacterStrings -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.oneCharacterStrings(LexerTests.java:209)
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] cp326.LexerTests.missingDoubleDigit -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cp326.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 cp326.LexerTests.missingDoubleDigit(LexerTests.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] cp326.LexerTests.invalidSymbol -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cp326.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 cp326.LexerTests.invalidSymbol(LexerTests.java:650)
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] cp326.LexerTests.oneSymbolPerLine -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.oneSymbolPerLine(LexerTests.java:182)
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] cp326.LexerTests.emptyInput -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.emptyInput(LexerTests.java:41)
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] cp326.LexerTests.tokensWithNoSpaces -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.tokensWithNoSpaces(LexerTests.java:528)
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] cp326.LexerTests.specialLiterals -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.specialLiterals(LexerTests.java:312)
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] cp326.LexerTests.oneCommentThenEOS -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.oneCommentThenEOS(LexerTests.java:78)
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] cp326.LexerTests.arithmeticSymbols -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.LexerTests.arithmeticSymbols(LexerTests.java:137)
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] cp326.LexerTests.numbersWithNoSpaces -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cp326.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] cp326.LexerTests.nonTerminatedString -- Time elapsed: 0 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cp326.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)

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at org.junit.jupiter.api.Assertions.assertThrows(Assertions.java:3115)
at cpsc326.LexerTests.nonTerminatedString(LexerTests.java:614)
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.loopStatementReservedWords -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.loopStatementReservedWords(LexerTests.java:405)
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.logicalOperators -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.logicalOperators(LexerTests.java:366)
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.twoComments -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.twoComments(LexerTests.java:98)
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!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.ifStatementReservedWords(LexerTests.java:388)
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.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.LexerTests.invalidSymbolCombination(LexerTests.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.LexerTests.basicIdentifiers -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.basicIdentifiers(LexerTests.java:464)
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.oneSymbol -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.oneSymbol(LexerTests.java:51)
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.multiCharacterStrings -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.multiCharacterStrings(LexerTests.java:231)
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 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.punctuationSymbols(LexerTests.java:120)
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.leadingZero -- Time elapsed: 0 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.leadingZero(LexerTests.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.LexerTests.tokensWithComments -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.tokensWithComments(LexerTests.java:491)
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.primitiveTypeNames -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.LexerTests.primitiveTypeNames(LexerTests.java:334)
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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[INFO] Running cpsc326.HW1Tests
[ERROR] Tests run: 29, Failures: 6, Errors: 23, Skipped: 0, Time elapsed: 0.043 s <<< FAILURE! -- in cpsc326.HW1Tests
[ERROR] cpsc326.HW1Tests.invalidID -- 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.invalidID(HW1Tests.java:659)
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.comparatorSymbols -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.comparatorSymbols(HW1Tests.java:150)
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 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.basicDoubleLiterals(HW1Tests.java:285)
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.oneSymbolThenEOS -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.oneSymbolThenEOS(HW1Tests.java:62)
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.basicIntLiterals -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.basicIntLiterals(HW1Tests.java:253)
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.otherReservedWords -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.otherReservedWords(HW1Tests.java:432)
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.oneCharacterStrings -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.oneCharacterStrings(HW1Tests.java:209)
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.missingDoubleDigit -- 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.missingDoubleDigit(HW1Tests.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: 0.002 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.HW1Tests.invalidSymbol(HW1Tests.java:650)
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.oneSymbolPerLine -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.oneSymbolPerLine(HW1Tests.java:182)
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.emptyInput -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.emptyInput(HW1Tests.java:41)
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.tokensWithNoSpaces -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.tokensWithNoSpaces(HW1Tests.java:528)
at java.base/java.lang.reflect.Method.invoke(Method.java:580)
at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)

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at java.base/java.util.ArrayList.forEach(ArrayList.java:1596)

[ERROR] cpsc326.HW1Tests.specialLiterals -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.specialLiterals(HW1Tests.java:312)
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.oneCommentThenEOS -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.oneCommentThenEOS(HW1Tests.java:78)
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 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.arithmeticSymbols(HW1Tests.java:137)
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.numbersWithNoSpaces -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.numbersWithNoSpaces(HW1Tests.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.HW1Tests.nonTerminatedString -- 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.nonTerminatedString(HW1Tests.java:614)
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.loopStatementReservedWords -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.loopStatementReservedWords(HW1Tests.java:405)
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.logicalOperators -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.logicalOperators(HW1Tests.java:366)
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.twoComments -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.twoComments(HW1Tests.java:98)
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: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.ifStatementReservedWords(HW1Tests.java:388)
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.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.HW1Tests.invalidSymbolCombination(HW1Tests.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!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.basicIdentifiers(HW1Tests.java:454)
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.oneSymbol -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.oneSymbol(HW1Tests.java:51)
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.multiCharacterStrings -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpsc326.HW1Tests.multiCharacterStrings(HW1Tests.java:231)

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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] cpssc326.HW1Tests.punctuationSymbols -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpssc326.HW1Tests.punctuationSymbols(HW1Tests.java:120)
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] cpssc326.HW1Tests.leadingZero -- Time elapsed: 0.001 s <<< FAILURE!
org.opentest4j.AssertionFailedError: Expected cpssc326.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 cpssc326.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] cpssc326.HW1Tests.tokensWithComments -- Time elapsed: 0 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpssc326.HW1Tests.tokensWithComments(HW1Tests.java:491)
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] cpssc326.HW1Tests.primitiveTypeNames -- Time elapsed: 0.001 s <<< ERROR!
java.lang.NullPointerException: Cannot read field "tokenType" because "t" is null
at cpssc326.HW1Tests.primitiveTypeNames(HW1Tests.java:334)
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)

[INFO] Running cpssc326.TokenTests
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.011 s -- in cpssc326.TokenTests
[INFO] cpssc326.TokenTests.basicTokenCreation -- Time elapsed: 0.010 s
[INFO] cpssc326.TokenTests.correctLineColumnTokenCreation -- Time elapsed: 0.001 s
[INFO] Results:
[INFO]
[ERROR] Failures:
[ERROR] HW1Tests.invalidID:659 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] HW1Tests.invalidSymbol:650 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] HW1Tests.invalidSymbolCombination:623 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] HW1Tests.leadingZero:641 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] HW1Tests.missingDoubleDigit:632 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] HW1Tests.nonTerminatedString:614 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] LexerTests.invalidID:659 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] LexerTests.invalidSymbol:650 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] LexerTests.invalidSymbolCombination:623 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] LexerTests.leadingZero:641 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] LexerTests.missingDoubleDigit:632 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] LexerTests.nonTerminatedString:614 Expected cpssc326.MyPLException to be thrown, but nothing was thrown.
[ERROR] Errors:
[ERROR] HW1Tests.arithmeticSymbols:137 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.basicDoubleLiterals:285 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.basicIdentifiers:454 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.basicIntLiterals:253 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.comparatorSymbols:150 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.emptyInput:41 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.ifStatementReservedWords:388 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.logicalOperators:366 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.loopStatementReservedWords:405 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.multiCharacterStrings:231 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.numbersWithNoSpaces:580 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.oneCharacterStrings:209 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.oneCommentThenEOS:78 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.oneSymbol:51 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.oneSymbolPerLine:182 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.oneSymbolThenEOS:62 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.otherReservedWords:432 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.primitiveTypeNames:334 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.punctuationSymbols:120 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.specialLiterals:312 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.tokensWithComments:491 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.tokensWithNoSpaces:528 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] HW1Tests.twoComments:98 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.arithmeticSymbols:137 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.basicDoubleLiterals:285 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.basicIdentifiers:454 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.basicIntLiterals:253 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.comparatorSymbols:150 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.emptyInput:41 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.ifStatementReservedWords:388 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.logicalOperators:366 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.loopStatementReservedWords:405 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.multiCharacterStrings:231 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.numbersWithNoSpaces:580 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.oneCharacterStrings:209 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.oneCommentThenEOS:78 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.oneSymbol:51 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.oneSymbolPerLine:182 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.otherReservedWords:432 NullPointerException Cannot read field "tokenType" because "t" is null
```

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[ERROR] LexerTests.primitiveTypeNames:334 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.punctuationSymbols:120 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.specialLiterals:312 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.tokensWithComments:491 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.tokensWithNoSpaces:528 NullPointerException Cannot read field "tokenType" because "t" is null
[ERROR] LexerTests.twoComments:98 NullPointerException Cannot read field "tokenType" because "t" is null
[INFO]
[ERROR] Tests run: 60, Failures: 12, Errors: 46, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 1.528 s
[INFO] Finished at: 2025-02-05T21:49:50-08:00
[INFO] -----
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-surefire-plugin:3.3.1:test (default-test) on project cpsc326-myp1: 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:

```

./myp1 -m LEX examples/hw1_tokens.myp1 | diff -w examples/hw1_tokens.out - > out 2>&1
1,106c1
< COMMENT " for testing that tokens are being correctly recognized" line 1 column 1
< COMMENT " punctuation tokens:" line 2 column 5
< DOT "." line 3 column 1
< COLON ":" line 3 column 3
< COMMA "," line 3 column 5
< LPAREN "(" line 3 column 8
< RPAREN ")" line 3 column 9
< LBACKET "[" line 3 column 11
< RBACKET "]" line 3 column 14
< LBACE "{" line 3 column 15
< RBACE "}" line 3 column 18
< COMMENT " arithmetic and relational comparators" line 5 column 2
< PLUS "+" line 6 column 3
< MINUS "-" line 6 column 4
< TIMES "*" line 6 column 6
< DIVIDE "/" line 6 column 8
< ASSIGN "=" line 6 column 10
< EQUAL "==" line 6 column 12
< NOT_EQUAL "!=" line 6 column 15
< LESS "<" line 6 column 18
< LESS_EQ "<=" line 6 column 19
< GREATER_EQ ">=" line 6 column 22
< GREATER ">" line 6 column 25
< 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
< COMMENT " some numbers" line 11 column 1
< INT_VAL "0" line 13 column 3
< INT_VAL "1" line 13 column 5
< INT_VAL "10" line 13 column 9
< INT_VAL "103" line 13 column 13
< INT_VAL "4321" line 13 column 18
< INT_VAL "1214560" line 13 column 26
< COMMENT " integers" line 13 column 39
< DOUBLE_VAL "0.0" line 15 column 1
< DOUBLE_VAL "0.01" line 15 column 6
< DOUBLE_VAL "3.14159" line 15 column 11
< DOUBLE_VAL "123.0000" line 15 column 19
< DOUBLE_VAL "1234.1110" line 15 column 28
< COMMENT " doubles" line 15 column 39
< COMMENT " reserved words" line 17 column 1
< AND "and" line 18 column 3
< OR "or" line 18 column 7
< NOT "not" line 18 column 10
< STRUCT "struct" line 18 column 14
< VAR "var" line 18 column 22
< IF "if" line 18 column 26
< ELSE "else" line 18 column 29
< WHILE "while" line 18 column 34
< FOR "for" line 18 column 40
< FROM "from" line 18 column 44
< TO "to" line 18 column 49
< NEW "new" line 18 column 55
< BOOL_VAL "true" line 20 column 3
< BOOL_VAL "false" line 20 column 8
< NULL_VAL "null" line 20 column 14
< VOID_TYPE "void" line 20 column 19
< INT_TYPE "int" line 20 column 24
< DOUBLE_TYPE "double" line 20 column 28

```

```

< BOOL_TYPE "bool" line 20 column 35
< STRING_TYPE "string" line 20 column 40
< RETURN "return" line 20 column 48
< COMMENT " identifiers" line 22 column 1
< ID "x" line 24 column 3
< ID "y" line 24 column 5
< ID "xyz" line 24 column 7
< ID "x_y_z" line 24 column 11
< ID "x123" line 24 column 17
< ID "foo_1__bar_2_-" line 24 column 22
< ID "vari00" line 24 column 37
< COMMENT " combos" line 26 column 1
< INT_VAL "5" line 28 column 1
< PLUS "+" line 28 column 2
< LPAREN "(" line 28 column 3
< INT_VAL "3" line 28 column 4
< TIMES "*" line 28 column 5
< INT_VAL "2" line 28 column 6
< RPAREN ")" line 28 column 7
< VAR "var" line 28 column 8
< LPAREN "(" line 28 column 11
< STRUCT "struct" line 28 column 12
< RPAREN ")" line 28 column 18
< LBRACKET "[" line 28 column 19
< NEW "new" line 28 column 20
< INT_TYPE "int" line 28 column 24
< RBRACKET "]" line 28 column 27
< DOUBLE_TYPE "double" line 28 column 28
< TIMES "*" line 28 column 34
< DOUBLE_VAL "4.3" line 28 column 35
< MINUS "-" line 28 column 38
< ID "f" line 28 column 39
< LPAREN "(" line 28 column 40
< INT_VAL "1" line 28 column 41
< RPAREN ")" line 28 column 42
< DOUBLE_VAL "3.4" line 30 column 1
< DOT "." line 30 column 4
< INT_VAL "2" line 30 column 5
< ID "foo4" line 30 column 6
< DOT "." line 30 column 10
< INT_VAL "1" line 30 column 11
< STRING_VAL "hi" line 30 column 12
< EOS "end-of-stream" line 31 column 1
---
> null

```