

< delete

> add

Green - can be useful for us

Yellow - so so

Red - most likely no

Incorrect variables

List of “Green” bugs related with incorrect variables:

Bug6

<https://issues.apache.org/jira/browse/LANG-857>

95c95

< **pos += Character.charCount(Character.codePointAt(input, pos));**

> **pos += Character.charCount(Character.codePointAt(input, pt));**

Bug report url:

<https://issues.apache.org/jira/browse/LANG-857>

Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsTest::testEscapeSurrogatePairs

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 2

Bug59

diff -r /tmp/lang_59b/src/java/org/apache/commons/lang/text/StrBuilder.java

/tmp/lang_59f/src/java/org/apache/commons/lang/text/StrBuilder.java

884c884

< **str.getChars(0, strLen, buffer, size);**

> **str.getChars(0, width, buffer, size);**

Bug60

diff -r /tmp/lang_60b/src/java/org/apache/commons/lang/text/StrBuilder.java

/tmp/lang_60f/src/java/org/apache/commons/lang/text/StrBuilder.java

1673c1673

```

<    for (int i = 0; i < thisBuf.length; i++) {
---
>    for (int i = 0; i < this.size; i++) {
1730c1730
<    for (int i = startIndex; i < thisBuf.length; i++) {
---
>    for (int i = startIndex; i < size; i++) {

```

Summary for Bug: Lang-60

Revision ID (fixed version):

a8203b65261110c4a30ff69fe0da7a2390d82757

Revision date (fixed version):

2006-10-31 23:00:54 +0000

Bug report id:

LANG-295

Bug report url:

<https://issues.apache.org/jira/browse/LANG-295>

Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderTest::testLang295
- > junit.framework.AssertionFailedError: The contains(char) method is looking beyond the end of the string

List of modified sources:

- org.apache.commons.lang.text.StrBuilder

Bug7

```
diff -r /tmp/chart_7b/source/org/jfree/data/time/TimePeriodValues.java
```

```
/tmp/chart_7f/source/org/jfree/data/time/TimePeriodValues.java
```

300c300

```

<    long s = getDataItem(this.minMiddleIndex).getPeriod().getStart()
---
>    long s = getDataItem(this.maxMiddleIndex).getPeriod().getStart()
302c302
<    long e = getDataItem(this.minMiddleIndex).getPeriod().getEnd()
---
>    long e = getDataItem(this.maxMiddleIndex).getPeriod().getEnd()

```

Summary for Bug: Chart-7

Revision ID (fixed version):
1087

Revision date (fixed version):
2008-06-10 02:22:11 -0700

Bug report id:
UNKNOWN

Bug report url:
UNKNOWN

Root cause in triggering tests:
- org.jfree.data.time.junit.TimePeriodValuesTests::testGetMaxMiddleIndex
--> junit.framework.AssertionFailedError: expected:<1> but was:<3>

List of modified sources:
- org.jfree.data.time.TimePeriodValues

Bug11

```
diff -r /tmp/chart_11b/source/org/jfree/chart/util/ShapeUtilities.java  
/tmp/chart_11f/source/org/jfree/chart/util/ShapeUtilities.java  
275c275  
<    PathIterator iterator2 = p1.getPathIterator(null);  
---  
>    PathIterator iterator2 = p2.getPathIterator(null);
```

Summary for Bug: Chart-11

Revision ID (fixed version):
1025

Revision date (fixed version):
2008-06-02 00:27:30 -0700

Bug report id:
868

Bug report url:
<https://sourceforge.net/p/jfreechart/bugs/868>

Root cause in triggering tests:
- org.jfree.chart.util.junit.ShapeUtilitiesTests::testEqualGeneralPaths
--> junit.framework.AssertionFailedError

List of modified sources:
- org.jfree.chart.util.ShapeUtilities

Bug20

diff -r /tmp/chart_20b/source/org/jfree/chart/plot/ValueMarker.java
/tmp/chart_20f/source/org/jfree/chart/plot/ValueMarker.java
95c95

```
<    super(paint, stroke, paint, stroke, alpha);  
---  
>    super(paint, stroke, outlinePaint, outlineStroke, alpha);
```

Summary for Bug: Chart-20

Revision ID (fixed version):
283

Revision date (fixed version):
2007-10-08 02:39:54 -0700

Bug report id:
UNKNOWN

Bug report url:
UNKNOWN

Root cause in triggering tests:
- org.jfree.chart.plot.junit.ValueMarkerTests::test1808376
--> junit.framework.AssertionFailedError: expected:<java.awt.Color[r=0,g=0,b=255]> but
was:<java.awt.Color[r=255,g=0,b=0]>

List of modified sources:
- org.jfree.chart.plot.ValueMarker

Bug24

diff -r /tmp/chart_24b/source/org/jfree/chart/renderer/GrayPaintScale.java
/tmp/chart_24f/source/org/jfree/chart/renderer/GrayPaintScale.java
126c126

```
<    int g = (int) ((value - this.lowerBound) / (this.upperBound  
---  
>    int g = (int) ((v - this.lowerBound) / (this.upperBound
```

Summary for Bug: Chart-24

Revision ID (fixed version):
190

Revision date (fixed version):
2007-09-26 07:00:52 -0700

Bug report id:
UNKNOWN

Bug report url:
UNKNOWN

Root cause in triggering tests:

- org.jfree.chart.renderer.junit.GrayPaintScaleTests::testGetPaint
--> java.lang.IllegalArgumentException: Color parameter outside of expected range: Red
Green Blue
-

List of modified sources:

- org.jfree.chart.renderer.GrayPaintScale
-

Bug27

```
diff -r /tmp/Cli_27b/src/java/org/apache/commons/cli/OptionGroup.java  
/tmp/Cli_27f/src/java/org/apache/commons/cli/OptionGroup.java  
98c98
```

```
<      if (selected == null || selected.equals(option.getOpt()))  
---  
>      if (selected == null || selected.equals(option.getKey()))  
100c100  
<          selected = option.getOpt();  
---  
>          selected = option.getKey();
```

Summary for Bug: Cli-27

Revision ID (fixed version):

4c971f08861e8cefb8ca9ac20799bfdad4e973a4

Revision date (fixed version):

2009-05-30 02:31:22 +0000

Bug report id:
CLI-182

Bug report url:
<https://issues.apache.org/jira/browse/CLI-182>

Root cause in triggering tests:

- org.apache.commons.cli.BasicParserTest::testOptionGroupLong
--> junit.framework.ComparisonFailure: selected option expected:<bar> but was:<null>
- org.apache.commons.cli.GnuParserTest::testOptionGroupLong
--> junit.framework.ComparisonFailure: selected option expected:<bar> but was:<null>
- org.apache.commons.cli.PosixParserTest::testOptionGroupLong

--> junit.framework.ComparisonFailure: selected option expected:<bar> but was:<null>

List of modified sources:

- org.apache.commons.cli.OptionGroup

Bug4

diff -r /tmp/Closure_4b/src/com/google/javascript/rhino/jstype/NamedType.java
/tmp/Closure_4f/src/com/google/javascript/rhino/jstype/NamedType.java
190c190

< if (detectImplicitPrototypeCycle()) {

> if (detectInheritanceCycle()) {

202c202

< if (detectImplicitPrototypeCycle()) {

> if (detectInheritanceCycle()) {

Summary for Bug: Closure-4

Revision ID (fixed version):

efefb736fccc2039b5fb079710b3f2ac82b8c6e4

Revision date (fixed version):

2012-12-14 20:20:30 +0000

Bug report id:

873

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-873.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.TypeCheckTest::testImplementsExtendsLoop

--> junit.framework.AssertionFailedError: unexpected warning(s) :

JSC_IMPLEMENTES_NON_INTERFACE. can only implement interfaces at [testcode] line 2 :
29, JSC_IMPLEMENTES_NON_INTERFACE. can only implement interfaces at [testcode] line
3 : 26 expected:<1> but was:<2>

- com.google.javascript.jscomp.TypeCheckTest::testImplementsLoop

--> junit.framework.AssertionFailedError: expected:<[Parse error. Cycle detected in
inheritance chain of type T]> but was:<[can only implement interfaces]>

-

com.google.javascript.jscomp.TypeCheckTest::testConversionFromInterfaceToRecursiveCon
structor

--> java.lang.StackOverflowError

List of modified sources:

- com.google.javascript.rhino.jstype.NamedType

Bug14

```
diff -r /tmp/Closure_14b/src/com/google/javascript/jscomp/ControlFlowAnalysis.java
/tmp/Closure_14f/src/com/google/javascript/jscomp/ControlFlowAnalysis.java
767c767
<      cfa.createEdge(fromNode, Branch.UNCOND, finallyNode);
---
>      cfa.createEdge(fromNode, Branch.ON_EX, finallyNode);
```

Summary for Bug: Closure-14

Revision ID (fixed version):

4b15b25f400335b6e2820cb690430324748372f9

Revision date (fixed version):

2012-07-24 21:04:32 +0000

Bug report id:

779

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-779.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.CheckMissingReturnTest::testIssue779
 - > junit.framework.AssertionFailedError: Unexpected error(s): JSC_MISSING_RETURN_STATEMENT. Missing return statement. Function expected to return number. at testcode line 1 : 24 expected:<0> but was:<1>
- com.google.javascript.jscomp.ControlFlowAnalysisTest::testDeepNestedFinally
 - > junit.framework.AssertionFailedError: No cross edges found
- com.google.javascript.jscomp.ControlFlowAnalysisTest::testDeepNestedBreakwithFinally
 - > junit.framework.AssertionFailedError: No cross edges found

List of modified sources:

- com.google.javascript.jscomp.ControlFlowAnalysis

Bug92

```
diff -r /tmp/Closure_92b/src/com/google/javascript/jscomp/ProcessClosurePrimitives.java
/tmp/Closure_92f/src/com/google/javascript/jscomp/ProcessClosurePrimitives.java
789c789
<      int indexOfDot = namespace.indexOf('.');
```

```
>      int indexOfDot = namespace.lastIndexOf('.');
```

Summary for Bug: Closure-92

Revision ID (fixed version):

8980b60033b1c6853cbca593ec89d3d332adf7dc

Revision date (fixed version):

2010-10-15 17:51:45 +0000

Bug report id:

261

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-261.json>

Root cause in triggering tests:

-

com.google.javascript.jscomp.ProcessClosurePrimitivesTest::testProvideIndependentModules4

--> junit.framework.AssertionFailedError:

List of modified sources:

- com.google.javascript.jscomp.ProcessClosurePrimitives

Bug61

diff -r /tmp/lang_61b/src/java/org/apache/commons/lang/text/StrBuilder.java

/tmp/lang_61f/src/java/org/apache/commons/lang/text/StrBuilder.java

1776c1776

```
<      int len = thisBuf.length - strLen;
```

```
---
```

```
>      int len = size - strLen + 1;
```

Summary for Bug: Lang-61

Revision ID (fixed version):

88c76d207f642831ca899e144159424aaa60cf8e

Revision date (fixed version):

2006-10-31 22:15:00 +0000

Bug report id:

LANG-294

Bug report url:

<https://issues.apache.org/jira/browse/LANG-294>

Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderTest::testIndexOfLang294
--> junit.framework.AssertionFailedError: expected:<-1> but was:<6>
 - org.apache.commons.lang.text.StrBuilderTest::testLang294
--> java.lang.ArrayIndexOutOfBoundsException
-

List of modified sources:

- org.apache.commons.lang.text.StrBuilder
-

==/!=

“Green” bugs related with **==/!=**:

Bug1

diff -r

/tmp/chart_1b/source/org/jfree/chart/renderer/category/AbstractCategoryItemRenderer.java
/tmp/chart_1f/source/org/jfree/chart/renderer/category/AbstractCategoryItemRenderer.java
1797c1797

< **if (dataset != null) {**

> **if (dataset == null) {**

Summary for Bug: Chart-1

Revision ID (fixed version):

2266

Revision date (fixed version):

2010-02-09 13:23:49 -0800

Bug report id:

983

Bug report url:

<https://sourceforge.net/p/jfreechart/bugs/983>

Root cause in triggering tests:

- org.jfree.chart.renderer.category.junit.AbstractCategoryItemRendererTests::test2947660
--> junit.framework.AssertionFailedError: expected:<1> but was:<0>
-

List of modified sources:

- org.jfree.chart.renderer.category.AbstractCategoryItemRenderer

</<=

“Green” bugs related with </<=:

Bug62

diff -r

/tmp/Closure_62b/src/com/google/javascript/jscomp/LightweightMessageFormatter.java

/tmp/Closure_62f/src/com/google/javascript/jscomp/LightweightMessageFormatter.java

98c98

< && 0 <= charno && charno < sourceExcerpt.length() {

> && 0 <= charno && charno <= sourceExcerpt.length() {

Summary for Bug: Closure-62

Revision ID (fixed version):

b12d1d6489329c989b15635f6f7f06681b3f6582

Revision date (fixed version):

2011-06-28 17:08:53 +0000

Bug report id:

487

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-487.json>

Root cause in triggering tests:

-

com.google.javascript.jscomp.LightweightMessageFormatterTest::testFormatErrorSpaceEnd
OfLine1

--> junit.framework.ComparisonFailure: expected:<...ion here

-

com.google.javascript.jscomp.LightweightMessageFormatterTest::testFormatErrorSpaceEnd
OfLine2

--> junit.framework.ComparisonFailure: expected:<...iption here

List of modified sources:

- com.google.javascript.jscomp.LightweightMessageFormatter

Bug73

```
diff -r /tmp/Closure_73b/src/com/google/javascript/jscomp/CodeGenerator.java
/tmp/Closure_73f/src/com/google/javascript/jscomp/CodeGenerator.java
1045c1045
```

```
<      if (c > 0x1f && c <= 0x7f) {
---
>      if (c > 0x1f && c < 0x7f) {
```

Summary for Bug: Closure-73

Revision ID (fixed version):

ee8344091722c28c9351e78dcb4155fbddfd1af

Revision date (fixed version):

2011-04-15 16:10:54 +0000

Bug report id:

416

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-416.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.CodePrinterTest::testUnicode
--> junit.framework.ComparisonFailure: expected:<var x="[ 07f]"> but was:<var x="[ ]">

List of modified sources:

- com.google.javascript.jscomp.CodeGenerator
-

<=/==

“Green” bugs related with <=/==:

Bug22

```
diff -r /tmp/lang_22b/src/main/java/org/apache/commons/lang3/math/Fraction.java
/tmp/lang_22f/src/main/java/org/apache/commons/lang3/math/Fraction.java
582a583,588
```

```
>      if ((u == 0) || (v == 0)) {
>          if ((u == Integer.MIN_VALUE) || (v == Integer.MIN_VALUE)) {
>              throw new ArithmeticException("overflow: gcd is 2^31");
>          }
>          return Math.abs(u) + Math.abs(v);
```

```

>     }
584c590
<     if (Math.abs(u) <= 1 || Math.abs(v) <= 1) {
---
>     if (Math.abs(u) == 1 || Math.abs(v) == 1) {

```

Summary for Bug: Lang-22

Revision ID (fixed version):
0b2b82ad923b0455cde93286e3f504a1abd0863b

Revision date (fixed version):
2011-01-17 04:30:05 +0000

Bug report id:
LANG-662

Bug report url:
<https://issues.apache.org/jira/browse/LANG-662>

Root cause in triggering tests:
- org.apache.commons.lang3.math.FractionTest::testReducedFactory_int_int
--> junit.framework.AssertionFailedError: expected:<-1073741824> but
was:<-2147483648>
- org.apache.commons.lang3.math.FractionTest::testReduce
--> junit.framework.AssertionFailedError: expected:<-1073741824> but
was:<-2147483648>

List of modified sources:
- org.apache.commons.lang3.math.Fraction

!<

“Green” bugs related with **!<**:

Bug19

```

diff -r
/tmp/Compress_19b/src/main/java/org/apache/commons/compress/archivers/zip/Zip64ExtendedInformationExtraField.java
/tmp/Compress_19f/src/main/java/org/apache/commons/compress/archivers/zip/Zip64ExtendedInformationExtraField.java
259c259
<     if (rawCentralDirectoryData.length != expectedLength) {
---
>     if (rawCentralDirectoryData.length < expectedLength) {

```

Summary for Bug: Compress-19

Revision ID (fixed version):

e860d2f3eb16d84e146a8a700d9dbd3af01df4ba

Revision date (fixed version):

2013-05-26 17:36:35 +0000

Bug report id:

COMPRESS-228

Bug report url:

<https://issues.apache.org/jira/browse/COMPRESS-228>

Root cause in triggering tests:

-
org.apache.commons.compress.archivers.zip.ZipFileTest::testExcessDataInZip64ExtraField
--> java.util.zip.ZipException: central directory zip64 extended information extra field's
length doesn't match central directory data. Expected length 16 but is 28

List of modified sources:

- org.apache.commons.compress.archivers.zip.Zip64ExtendedInformationExtraField

==/<

“Green” bugs related with ==/<:

Bug21

diff -r

/tmp/Compress_21b/src/main/java/org/apache/commons/compress/archivers/sevenz/SevenZOutputFile.java

/tmp/Compress_21f/src/main/java/org/apache/commons/compress/archivers/sevenz/SevenZOutputFile.java

639,640c639

< --shift;

< if (shift == 0) {

> if (--shift < 0) {

646c645

< if (length > 0 && shift > 0) {

> if (shift != 7) {

Summary for Bug: Compress-21

Revision ID (fixed version):
5c2d32b322fa797cf428b35c4c5998173d6403d5

Revision date (fixed version):
2013-12-20 12:13:11 +0000

Bug report id:
COMPRESS-252

Bug report url:
<https://issues.apache.org/jira/browse/COMPRESS-252>

Root cause in triggering tests:

-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testSevenEmptyFiles
--> java.io.IOException: Unknown property 128
-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testEightFilesSomeNotEmpty
--> java.io.IOException: Badly terminated header
-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testSixEmptyFiles
--> java.io.IOException: Badly terminated header
-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testEightEmptyFiles
--> java.io.IOException: Unknown property 192
-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testNineEmptyFiles
--> java.lang.ArrayIndexOutOfBoundsException: 0
-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testSixFilesSomeNotEmpty
--> java.io.IOException: Badly terminated header
-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testNineFilesSomeNotEmpty
--> java.io.IOException: Unknown property 128
-
org.apache.commons.compress.archivers.sevenz.SevenZOutputFileTest::testSevenFilesSomeNotEmpty
--> java.io.IOException: Unknown property 128

List of modified sources:

- org.apache.commons.compress.archivers.sevenz.SevenZOutputFile

+ -1

“Green” bugs related with + -1:

Bug168

```
diff -r /tmp/Closure_168b/src/com/google/javascript/jscomp/TypedScopeCreator.java
/tmp/Closure_168f/src/com/google/javascript/jscomp/TypedScopeCreator.java
1996c1996
<     if (t.getScopeDepth() <= 2) {
---
>     if (t.getScopeDepth() <= 1) {
```

Summary for Bug: Closure-168

Revision ID (fixed version):

b675d1da9d5f8b36849db4943f580969105901a4

Revision date (fixed version):

2012-08-10 19:49:41 +0000

Bug report id:

726

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-726.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.TypeCheckTest::testIssue726
--> junit.framework.AssertionFailedError: expected a warning
-

List of modified sources:

- com.google.javascript.jscomp.TypedScopeCreator
-

Bug3

```
diff -r /tmp/Codec_3b/src/java/org/apache/commons/codec/language/DoubleMetaphone.java
/tmp/Codec_3f/src/java/org/apache/commons/codec/language/DoubleMetaphone.java
455c455
<         } else if (contains(value, index + 1, 4, "IER")) {
---
>         } else if (contains(value, index + 1, 3, "IER")) {
```

Summary of configuration for Project: Codec

Script dir: /defects4j/framework
Base dir: /defects4j
Major root: /defects4j/major
Repo dir: /defects4j/project_repos

Project ID: Codec
Program: commons-codec
Build file: /defects4j/framework/projects/Codec/Codec.build.xml

Vcs: Vcs::Git
Repository: /defects4j/project_repos/commons-codec.git
Commit db: /defects4j/framework/projects/Codec/active-bugs.csv
Number of bugs: 18

Summary for Bug: Codec-3

Revision ID (fixed version):
a5dfe5cbc95d7f3ce0b4829756690c2cb8439f4c

Revision date (fixed version):
2009-08-02 22:45:30 +0000

Bug report id:
CODEC-84

Bug report url:
<https://issues.apache.org/jira/browse/CODEC-84>

Root cause in triggering tests:

-

org.apache.commons.codec.language.DoubleMetaphone2Test::testDoubleMetaphoneAlternate

--> junit.framework.ComparisonFailure: Test [19]=Angier expected:<AN[J]R> but was:<AN[K]R>

List of modified sources:

- org.apache.commons.codec.language.DoubleMetaphone

Bug19

diff -r

/tmp/lang_19b/src/main/java/org/apache/commons/lang3/text/translate/NumericEntityUnescaper.java

/tmp/lang_19f/src/main/java/org/apache/commons/lang3/text/translate/NumericEntityUnescaper.java


```

40c40
<      if(input.charAt(index) == '&' && index < seqEnd - 1 && input.charAt(index + 1)
== '#') {
---
>      if(input.charAt(index) == '&' && index < seqEnd - 2 && input.charAt(index + 1)
== '#') {
49a50,52
>          if(start == seqEnd) {
>              return 0;
>          }
54c57,59
<      while(input.charAt(end) != ';')
---
>      while(end < seqEnd && ( (input.charAt(end) >= '0' && input.charAt(end) <= '9')
||
>          (input.charAt(end) >= 'a' && input.charAt(end) <= 'f') ||
>          (input.charAt(end) >= 'A' && input.charAt(end) <= 'F') ) )
78a84
>      boolean semiNext = (end != seqEnd) && (input.charAt(end) == ';');
80c86
<      return 2 + (end - start) + (isHex ? 1 : 0) + 1;
---
>      return 2 + (end - start) + (isHex ? 1 : 0) + (semiNext ? 1 : 0);

```

Summary for Bug: Lang-19

Revision ID (fixed version):

0b3a8a3128890f710700d04e38df48b883d11d91

Revision date (fixed version):

2011-07-03 07:55:33 +0000

Bug report id:

LANG-710

Bug report url:

<https://issues.apache.org/jira/browse/LANG-710>

Root cause in triggering tests:

-

```

org.apache.commons.lang3.text.translate.NumericEntityUnescaperTest::testUnfinishedEntity
--> java.lang.StringIndexOutOfBoundsException: String index out of range: 19
- org.apache.commons.lang3.text.translate.NumericEntityUnescaperTest::testOutOfBounds
--> java.lang.StringIndexOutOfBoundsException: String index out of range: 7

```

List of modified sources:

- org.apache.commons.lang3.text.translate.NumericEntityUnescaper

Bug61

```
diff -r /tmp/lang_61b/src/java/org/apache/commons/lang/text/StrBuilder.java
/tmp/lang_61f/src/java/org/apache/commons/lang/text/StrBuilder.java
1776c1776
<     int len = thisBuf.length - strLen;
---
>     int len = size - strLen + 1;
```

Summary for Bug: Lang-61

Revision ID (fixed version):

88c76d207f642831ca899e144159424aaa60cf8e

Revision date (fixed version):

2006-10-31 22:15:00 +0000

Bug report id:

LANG-294

Bug report url:

<https://issues.apache.org/jira/browse/LANG-294>

Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderTest::testIndexOfLang294
--> junit.framework.AssertionFailedError: expected:<-1> but was:<6>
 - org.apache.commons.lang.text.StrBuilderTest::testLang294
--> java.lang.ArrayIndexOutOfBoundsException
-

List of modified sources:

- org.apache.commons.lang.text.StrBuilder
-

Bug29

```
diff -r /tmp/Cli_29b/src/java/org/apache/commons/cli/Util.java
/tmp/Cli_29f/src/java/org/apache/commons/cli/Util.java
65,68d64
<     if (str.startsWith("\""))
<     {
<         str = str.substring(1, str.length());
<     }
70c66
<     if (str.endsWith("\""))
---
```

```

>     if (length > 1 && str.startsWith("\"") && str.endsWith("\"") && str.substring(1,
length - 1).indexOf("\"") == -1)
72c68
<         str = str.substring(0, length - 1);
---
>         str = str.substring(1, length - 1);

```

Summary for Bug: Cli-29

Revision ID (fixed version):
20002f7f4e971349a1c95dd3b05846c5b824b65c

Revision date (fixed version):
2010-06-16 08:35:18 +0000

Bug report id:
CLI-185

Bug report url:
<https://issues.apache.org/jira/browse/CLI-185>

Root cause in triggering tests:
- org.apache.commons.cli.UtilTest::testStripLeadingAndTrailingQuotes
--> junit.framework.ComparisonFailure: expected:<foo "bar["]> but was:<foo "bar[]>

List of modified sources:
- org.apache.commons.cli.Util

Bug47

```
diff -r /tmp/Closure_47b/src/com/google/debugging/sourcemap/SourceMapConsumerV3.java
/tmp/Closure_47f/src/com/google/debugging/sourcemap/SourceMapConsumerV3.java
489,490c489,490
```

```

<     .setLineNumber(entry.getSourceLine())
<     .setColumnPosition(entry.getSourceColumn());
---
>     .setLineNumber(entry.getSourceLine() + 1)
>     .setColumnPosition(entry.getSourceColumn() + 1);

```

```
diff -r /tmp/Closure_47b/src/com/google/javascript/jscomp/SourceMap.java
/tmp/Closure_47f/src/com/google/javascript/jscomp/SourceMap.java
```

```

137a138,142
>     int lineBaseOffset = 1;
>     if (generator instanceof SourceMapGeneratorV1
>         || generator instanceof SourceMapGeneratorV2) {
>         lineBaseOffset = 0;
>     }
141c146
<     new FilePosition(node.getLineno(), node.getCharno()),

```

> **new FilePosition(node.getLineno() - lineBaseOffset, node.getCharno()),**

Summary for Bug: Closure-47

Revision ID (fixed version):

aedce35970673f20696d5721acba13e986cc764c

Revision date (fixed version):

2011-11-14 23:03:35 +0000

Bug report id:

575

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-575.json>

Root cause in triggering tests:

-
com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testParseSourceMetaMap
--> junit.framework.AssertionFailedError: expected:<5> but was:<4>
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testGoldenOutput0a
--> junit.framework.ComparisonFailure: expected:<...t":1,
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testMultilineMapping
--> junit.framework.AssertionFailedError: expected:<10> but was:<9>
-
com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testMultiFunctionMapping
--> junit.framework.AssertionFailedError: expected:<10> but was:<9>
-
com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testLiteralMappingsGoldenOutput
--> junit.framework.ComparisonFailure: expected:<...t":1,
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testMultilineMapping2
--> junit.framework.AssertionFailedError: expected:<10> but was:<9>
-
com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testBasicMappingGoldenOutput
--> junit.framework.ComparisonFailure: expected:<...t":1,
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testSourceMapMerging
--> junit.framework.AssertionFailedError: expected:<5> but was:<4>
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testLiteralMappings
--> junit.framework.AssertionFailedError: expected:<10> but was:<9>
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testBasicMapping1
--> junit.framework.AssertionFailedError: expected:<10> but was:<9>
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testBasicMapping2
--> junit.framework.AssertionFailedError: expected:<10> but was:<9>
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testGoldenOutput1

```
--> junit.framework.ComparisonFailure: expected:<...t":1,  
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testGoldenOutput2  
--> junit.framework.ComparisonFailure: expected:<...t":1,  
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testGoldenOutput3  
--> junit.framework.ComparisonFailure: expected:<...t":1,  
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testGoldenOutput4  
--> junit.framework.ComparisonFailure: expected:<...t":1,  
- com.google.debugging.sourcemap.SourceMapGeneratorV3Test::testGoldenOutput5  
--> junit.framework.ComparisonFailure: expected:<...
```

List of modified sources:

- com.google.debugging.sourcemap.SourceMapConsumerV3
- com.google.javascript.jscomp.SourceMap

Bug24

diff -r

```
/tmp/Compress_24b/src/main/java/org/apache/commons/compress/archivers/tar/TarUtils.jav  
a  
/tmp/Compress_24f/src/main/java/org/apache/commons/compress/archivers/tar/TarUtils.java  
129,136c129  
<     if (trailer == 0 || trailer == ' '){  
<         end--;  
<     } else {  
<         throw new IllegalArgumentException(  
<             exceptionMessage(buffer, offset, length, end-1, trailer));  
<     }  
<     trailer = buffer[end - 1];  
<     while (start < end - 1 && (trailer == 0 || trailer == ' ')) {  
---  
>     while (start < end && (trailer == 0 || trailer == ' ')) {  
138a132,135  
>     }  
>     if (start == end) {  
>         throw new IllegalArgumentException(  
>             exceptionMessage(buffer, offset, length, start, trailer));
```

Summary for Bug: Compress-24

Revision ID (fixed version):

8da377299d085b4ce1f15dbc0732232ea32e601d

Revision date (fixed version):

2014-02-21 05:20:08 +0000

Bug report id:

COMPRESS-262

Bug report url:

<https://issues.apache.org/jira/browse/COMPRESS-262>

Root cause in triggering tests:

- org.apache.commons.compress.archivers.tar.TarUtilsTest::testParseOctal
--> java.lang.IllegalArgumentException: Invalid byte 55 at offset 11 in '777777777777'
len=12

List of modified sources:

- org.apache.commons.compress.archivers.tar.TarUtils

Incorrect types

List of “Green” bugs related with incorrect types:

Bug29

diff -r /tmp/lang_29b/src/main/java/org/apache/commons/lang3/SystemUtils.java
/tmp/lang_29f/src/main/java/org/apache/commons/lang3/SystemUtils.java

1672c1672

< static float toJavaVersionInt(String version) {

> static int toJavaVersionInt(String version) {

Summary for Bug: Lang-29

Revision ID (fixed version):

982e295053663787bb0396b81a8956c3c87dc25b

Revision date (fixed version):

2010-05-28 16:33:23 +0000

Bug report id:

LANG-624

Bug report url:

<https://issues.apache.org/jira/browse/LANG-624>

Root cause in triggering tests:

- org.apache.commons.lang3.SystemUtilsTest::testJavaVersionAsInt
--> junit.framework.AssertionFailedError: expected:<0> but was:<0.0>

List of modified sources:

- org.apache.commons.lang3.SystemUtils

Bug32

diff -r

/tmp/Compress_32b/src/main/java/org/apache/commons/compress/archivers/tar/TarArchiveInputStream.java

/tmp/Compress_32f/src/main/java/org/apache/commons/compress/archivers/tar/TarArchiveInputStream.java

501c501

< currEntry.setGroupId(Integer.parseInt(val));

> currEntry.setGroupId(Long.parseLong(val));

505c505

< currEntry.setUserId(Integer.parseInt(val));

> currEntry.setUserId(Long.parseLong(val));

Summary for Bug: Compress-32

Revision ID (fixed version):

3c4a09bf28e7cd600b919b8c799fbbfd19a94c0b

Revision date (fixed version):

2015-05-08 19:11:27 +0000

Bug report id:

COMPRESS-314

Bug report url:

<https://issues.apache.org/jira/browse/COMPRESS-314>

Root cause in triggering tests:

-

org.apache.commons.compress.archivers.tar.TarArchiveInputStreamTest::shouldReadBigGi
d

--> java.lang.NumberFormatException: For input string: "4294967294"

List of modified sources:

- org.apache.commons.compress.archivers.tar.TarArchiveInputStream

Incorrect functions

List of “Green” bugs related with incorrect functions:

Bug10

```
diff -r /tmp/Closure_10b/src/com/google/javascript/jscomp/NodeUtil.java
/tmp/Closure_10f/src/com/google/javascript/jscomp/NodeUtil.java
1417c1417
<     return allResultsMatch(n, MAY_BE_STRING_PREDICATE);
---
>     return anyResultsMatch(n, MAY_BE_STRING_PREDICATE);
```

Summary for Bug: Closure-10

Revision ID (fixed version):
0884a4cbef1c82153ef306477a12af0480385a35

Revision date (fixed version):
2012-09-21 17:50:43 +0000

Bug report id:
821

Bug report url:
<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-821.json>

Root cause in triggering tests:
- com.google.javascript.jscomp.PeepholeFoldConstantsTest::testIssue821
--> junit.framework.AssertionFailedError:

List of modified sources:
- com.google.javascript.jscomp.NodeUtil

False/True

“Green” bugs related with False/True : 1

Bug40

```
diff -r /tmp/Closure_40b/src/com/google/javascript/jscomp/NameAnalyzer.java
/tmp/Closure_40f/src/com/google/javascript/jscomp/NameAnalyzer.java
635,636c635
<     JsName name = getName(ns.name, false);
<     if (name != null) {
---
>     JsName name = getName(ns.name, true);
639d637
<     }
```

Summary for Bug: Closure-40

Revision ID (fixed version):
6ebc0c3d7d4da7d2cf95f53d4ea790e89d3abc7a

Revision date (fixed version):
2012-02-02 16:47:26 +0000

Bug report id:
284

Bug report url:
<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-284.json>

Root cause in triggering tests:
- com.google.javascript.jscomp.IntegrationTest::testIssue284
--> java.lang.RuntimeException: java.lang.RuntimeException: INTERNAL COMPILER ERROR.
- com.google.javascript.jscomp.NameAnalyzerTest::testIssue284
--> junit.framework.AssertionFailedError:

List of modified sources:
- com.google.javascript.jscomp.NameAnalyzer

Bug70

```
diff -r /tmp/Closure_70b/src/com/google/javascript/jscomp/TypedScopeCreator.java  
/tmp/Closure_70f/src/com/google/javascript/jscomp/TypedScopeCreator.java  
1745c1745  
<         jsDocParameter.getJSType(), true);  
---  
>         jsDocParameter.getJSType(), false);
```

Summary for Bug: Closure-70

Revision ID (fixed version):
ec4a34c2bd87ba54fa8770affdeeea4f3c42089b

Revision date (fixed version):
2011-05-20 19:48:47 +0000

Bug report id:
433

Bug report url:
<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-433.json>

Root cause in triggering tests:

```
- com.google.javascript.jscomp.LooseTypeCheckTest::testDuplicateLocalVarDecl
--> junit.framework.AssertionFailedError: expected:<2> but was:<1>
- com.google.javascript.jscomp.LooseTypeCheckTest::testFunctionArguments13
--> junit.framework.AssertionFailedError: expected a warning
- com.google.javascript.jscomp.TypeCheckTest::testScoping12
--> junit.framework.AssertionFailedError: expected a warning
- com.google.javascript.jscomp.TypeCheckTest::testDuplicateLocalVarDecl
--> junit.framework.AssertionFailedError: unexpected warning(s) :
JSC_DUP_VAR_DECLARATION. variable x redefined with type string, original definition at
[testcode] :2 with type number at [testcode] line 2 : 42 expected:<2> but was:<1>
- com.google.javascript.jscomp.TypeCheckTest::testFunctionArguments13
--> junit.framework.AssertionFailedError: expected a warning
```

List of modified sources:

```
- com.google.javascript.jscomp.TypedScopeCreator
```

Bug86

```
diff -r /tmp/Closure_86b/src/com/google/javascript/jscomp/NodeUtil.java
/tmp/Closure_86f/src/com/google/javascript/jscomp/NodeUtil.java
2465c2465
```

```
<      return true;
```

```
---
```

```
>      return false;
```

Summary for Bug: Closure-86

Revision ID (fixed version):

0907b6618a60b2de23c8f7ec2217a37dc5e9a091

Revision date (fixed version):

2010-12-18 00:47:28 +0000

Bug report id:

303

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-303.json>

Root cause in triggering tests:

```
- com.google.javascript.jscomp.NodeUtilTest::testLocalValue1
--> junit.framework.AssertionFailedError
- com.google.javascript.jscomp.PureFunctionIdentifierTest::testLocalizedSideEffects8
--> junit.framework.AssertionFailedError: expected:<[A]> but was:<[A, f]>
- com.google.javascript.jscomp.PureFunctionIdentifierTest::testLocalizedSideEffects9
--> junit.framework.AssertionFailedError: expected:<[A]> but was:<[A, f]>
- com.google.javascript.jscomp.PureFunctionIdentifierTest::testAnnotationInExterns_new4
```

```
--> junit.framework.AssertionFailedError: expected:<[externObjSEThis]> but
was:<[externObjSEThis, NEW STRING externObjSEThisMethod]>
- com.google.javascript.jscomp.PureFunctionIdentifierTest::testAnnotationInExterns_new6
--> junit.framework.AssertionFailedError: expected:<[externObjSEThis]> but
was:<[externObjSEThis, NEW STRING externObjSEThisMethod, f]>
- com.google.javascript.jscomp.PureFunctionIdentifierTest::testIssue303b
--> junit.framework.AssertionFailedError: expected:<[]> but was:<[NEW STRING
setLocation]>
- com.google.javascript.jscomp.PureFunctionIdentifierTest::testIssue303
--> junit.framework.AssertionFailedError: expected:<[]> but was:<[NEW STRING
setLocation]>
```

List of modified sources:

```
- com.google.javascript.jscomp.NodeUtil
```

Bug7

```
diff -r /tmp/Codec_7b/src/java/org/apache/commons/codec/binary/Base64.java
/tmp/Codec_7f/src/java/org/apache/commons/codec/binary/Base64.java
670c670
```

```
<    return StringUtils.newStringUtf8(encodeBase64(binaryData, true));
```

```
---
```

```
>    return StringUtils.newStringUtf8(encodeBase64(binaryData, false));
```

Summary of configuration for Project: Codec

```
Script dir: /defects4j/framework
Base dir: /defects4j
Major root: /defects4j/major
Repo dir: /defects4j/project_repos
```

```
Project ID: Codec
Program: commons-codec
Build file: /defects4j/framework/projects/Codec/Codec.build.xml
```

```
Vcs: Vcs::Git
Repository: /defects4j/project_repos/commons-codec.git
Commit db: /defects4j/framework/projects/Codec/active-bugs.csv
Number of bugs: 18
```

Summary for Bug: Codec-7

```
Revision ID (fixed version):
954d995c5603b616c3c4a9ffb1823f36dd7ebcb0
```

```
Revision date (fixed version):
2011-01-23 05:52:42 +0000
```

Bug report id:
CODEC-99

Bug report url:
<https://issues.apache.org/jira/browse/CODEC-99>

Root cause in triggering tests:

- org.apache.commons.codec.binary.Base64Test::testByteToStringVariations
--> junit.framework.ComparisonFailure: byteToString static Hello World
expected:<SGVsbG8gV29ybGQ=[])> but was:<SGVsbG8gV29ybGQ=[
 - org.apache.commons.codec.binary.Base64Test::testRfc4648Section10Encode
--> junit.framework.ComparisonFailure: expected:<Zg==[])> but was:<Zg==[
-

List of modified sources:

- org.apache.commons.codec.binary.Base64
-

Break/Continue

“Green” bugs related with Break/Continue : 1

Bug28

```
diff -r /tmp/Cli_28b/src/java/org/apache/commons/cli/Parser.java  
/tmp/Cli_28f/src/java/org/apache/commons/cli/Parser.java  
290c290
```

```
<          break;  
---  
>          continue;
```

Summary for Bug: Cli-28

Revision ID (fixed version):
3433f467554985a6bd9bf530a4810376be6fe250

Revision date (fixed version):
2010-06-16 00:00:14 +0000

Bug report id:
CLI-201

Bug report url:
<https://issues.apache.org/jira/browse/CLI-201>

Root cause in triggering tests:

- org.apache.commons.cli.ValueTest::testPropertyOptionFlags

--> junit.framework.AssertionFailedError

List of modified sources:

- org.apache.commons.cli.Parser

Same lines of code in different places

“Green” bugs related with same lines of code in different places:

Bug13

diff -r /tmp/Closure_13b/src/com/google/javascript/jscomp/PeepholeOptimizationsPass.java
/tmp/Closure_13f/src/com/google/javascript/jscomp/PeepholeOptimizationsPass.java

126d125

< traverse(c);

127a127

> traverse(c);

Summary for Bug: Closure-13

Revision ID (fixed version):

d6d733f461ee5ba26e9326c1c7609f1f00d6d2db

Revision date (fixed version):

2012-08-02 17:53:06 +0000

Bug report id:

787

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-787.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.IntegrationTest::testIssue787

--> junit.framework.AssertionFailedError:

List of modified sources:

- com.google.javascript.jscomp.PeepholeOptimizationsPass

Bug19

diff -r /tmp/Cli_19b/src/java/org/apache/commons/cli/PosixParser.java
/tmp/Cli_19f/src/java/org/apache/commons/cli/PosixParser.java

232d231

< tokens.add(token);

237d235

< **tokens.add(token);**

238a237,238

>

> **tokens.add(token);**

Summary for Bug: Cli-19

Revision ID (fixed version):

b1331806960001da95424315b6103d755107b519

Revision date (fixed version):

2008-07-28 08:43:28 +0000

Bug report id:

CLI-164

Bug report url:

<https://issues.apache.org/jira/browse/CLI-164>

Root cause in triggering tests:

- org.apache.commons.cli.PosixParserTest::testUnrecognizedOption2
--> junit.framework.AssertionFailedError: UnrecognizedOptionException wasn't thrown

List of modified sources:

- org.apache.commons.cli.PosixParser
-

Bug68

diff -r /tmp/Closure_68b/src/com/google/javascript/jscomp/parsing/JsDocInfoParser.java

/tmp/Closure_68f/src/com/google/javascript/jscomp/parsing/JsDocInfoParser.java

867a868

> }

870d870

< }

1708a1709

> restoreLookAhead(token);

1760a1762

> restoreLookAhead(token);

Summary for Bug: Closure-68

Revision ID (fixed version):

9d5a6e3082dd99f6c44df1b3526b9e83b79aa7da

Revision date (fixed version):

2011-06-03 23:42:43 +0000

Bug report id:

477

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-477.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.parsing.JsDocInfoParserTest::testIssue477
--> junit.framework.AssertionFailedError: extra warning: Unexpected end of file
-

List of modified sources:

- com.google.javascript.jscomp.parsing.JsDocInfoParser
-

Bug102

diff -r /tmp/Closure_102b/src/com/google/javascript/jscomp/Normalize.java
/tmp/Closure_102f/src/com/google/javascript/jscomp/Normalize.java

88a89

> removeDuplicateDeclarations(root);

94d94

< removeDuplicateDeclarations(root);

Summary for Bug: Closure-102

Revision ID (fixed version):

d48c365ba8251057a71a2e2b7aabff640209e31b

Revision date (fixed version):

2010-02-26 15:11:05 +0000

Bug report id:

115

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-115.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.CompilerRunnerTest::testIssue115
--> junit.framework.AssertionFailedError:
-

List of modified sources:

- com.google.javascript.jscomp.Normalize
-

Bug41

diff -r

/tmp/Compress_41b/src/main/java/org/apache/commons/compress/archivers/zip/ZipArchiveI

```
nputStream.java
/tmp/Compress_41f/src/main/java/org/apache/commons/compress/archivers/zip/ZipArchiveI
nputStream.java
246a247
>         return null;
249c250
<         return null;
---
>         throw new ZipException(String.format("Unexpected record signature: 0X%X",
sig.getValue()));
```

Summary for Bug: Compress-41

Revision ID (fixed version):
f015344879f1bc3505bc616fc7ae517cf9f60838

Revision date (fixed version):
2016-12-09 23:01:42 +0100

Bug report id:
COMPRESS-367

Bug report url:
<https://issues.apache.org/jira/browse/COMPRESS-367>

Root cause in triggering tests:

- org.apache.commons.compress.archivers.ZipTestCase::testListAllFilesWithNestedArchive
--> junit.framework.AssertionFailedError: expected:<1> but was:<0>
- org.apache.commons.compress.archivers.zip.ZipArchiveInputStreamTest::testThrowOnInvalidEntry
--> junit.framework.AssertionFailedError: IOException expected

List of modified sources:

- org.apache.commons.compress.archivers.zip.ZipArchiveInputStream

Null checking

List of “Green” bugs related to null checking:

Bug12

diff -r /tmp/lang_12b/src/main/java/org/apache/commons/lang3/RandomStringUtils.java

/tmp/lang_12f/src/main/java/org/apache/commons/lang3/RandomStringUtils.java

229a230,232

```
>     if (chars != null && chars.length == 0) {  
>         throw new IllegalArgumentException("The chars array must not be empty");  
>     }
```

231a235,237

```
>         if (chars != null) {  
>             end = chars.length;  
>         } else {
```

237a244

```
>     }
```

Summary for Bug: Lang-12

Revision ID (fixed version):

c9d786a4fe2639581047d878a64bab6fb24f1ab3

Revision date (fixed version):

2012-06-09 14:58:34 +0000

Bug report id:

LANG-805

Bug report url:

<https://issues.apache.org/jira/browse/LANG-805>

Root cause in triggering tests:

- org.apache.commons.lang3.RandomStringUtilsTest::testExceptions
--> java.lang.ArrayIndexOutOfBoundsException: 1171399597
- org.apache.commons.lang3.RandomStringUtilsTest::testLANG805
--> java.lang.ArrayIndexOutOfBoundsException: 1859709389

List of modified sources:

- org.apache.commons.lang3.RandomStringUtils
-

Bug19!!!!!!

diff -r /tmp/chart_19b/source/org/jfree/chart/plot/CategoryPlot.java

/tmp/chart_19f/source/org/jfree/chart/plot/CategoryPlot.java

697a698,700

```
>     if (axis == null) {  
>         throw new IllegalArgumentException("Null 'axis' argument.");  
>     }
```

972a976,978

```
>     if (axis == null) {  
>         throw new IllegalArgumentException("Null 'axis' argument.");  
>     }
```

-

Summary for Bug: Chart-19

Revision ID (fixed version):
434

Revision date (fixed version):
2007-10-25 05:56:24 -0700

Bug report id:
UNKNOWN

Bug report url:
UNKNOWN

Root cause in triggering tests:

- org.jfree.chart.plot.junit.CategoryPlotTests::testGetRangeAxisIndex
--> junit.framework.AssertionFailedError
- org.jfree.chart.plot.junit.CategoryPlotTests::testGetDomainAxisIndex
--> junit.framework.AssertionFailedError

List of modified sources:

- org.jfree.chart.plot.CategoryPlot

Bug26

```
diff -r /tmp/chart_26b/source/org/jfree/chart/axis/Axis.java
/tmp/chart_26f/source/org/jfree/chart/axis/Axis.java
1191a1192
>         if (owner != null) {
1196a1198
>         }
```

Summary for Bug: Chart-26

Revision ID (fixed version):
103

Revision date (fixed version):
2007-07-06 04:03:52 -0700

Bug report id:
UNKNOWN

Bug report url:
UNKNOWN

Root cause in triggering tests:

- org.jfree.chart.junit.AreaChartTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.BarChart3DTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.BarChartTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.GanttChartTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.GanttChartTests::testDrawWithNullInfo2
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.LineChart3DTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.LineChartTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.StackedAreaChartTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.StackedBarChart3DTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.StackedBarChartTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.junit.WaterfallChartTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.plot.junit.CategoryPlotTests::test1654215
--> junit.framework.AssertionFailedError
- org.jfree.chart.plot.junit.CategoryPlotTests::testSerialization3
--> junit.framework.AssertionFailedError
- org.jfree.chart.plot.junit.CategoryPlotTests::testSerialization4
--> junit.framework.AssertionFailedError
- org.jfree.chart.renderer.category.junit.BoxAndWhiskerRendererTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.renderer.category.junit.GroupedStackedBarRendererTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.renderer.category.junit.IntervalBarRendererTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.renderer.category.junit.LayeredBarRendererTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.renderer.category.junit.LevelRendererTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.renderer.category.junit.MinMaxCategoryRendererTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError
- org.jfree.chart.renderer.category.junit.StatisticalBarRendererTests::testDrawWithNullInfo
--> junit.framework.AssertionFailedError

-
org.jfree.chart.renderer.category.junit.StatisticalLineAndShapeRendererTests::testDrawWith
NullInfo
--> junit.framework.AssertionFailedError

List of modified sources:

- org.jfree.chart.axis.Axis

Bug2

```
diff -r /tmp/Closure_2b/src/com/google/javascript/jscomp/TypeCheck.java  
/tmp/Closure_2f/src/com/google/javascript/jscomp/TypeCheck.java  
1571a1572  
>   if (implicitProto == null) {  
1573a1575,1576  
>     currentPropertyNames = ImmutableSet.of();  
>   } else {  
1574a1578  
>   }
```

Summary for Bug: Closure-2

Revision ID (fixed version):

d1cfe67977d8f3aaa85ec20c262171da394d5977

Revision date (fixed version):

2012-12-22 00:16:42 +0000

Bug report id:

884

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-884.json>

Root cause in triggering tests:

-
com.google.javascript.jscomp.TypeCheckTest::testBadInterfaceExtendsNonExistentInterface
s
--> java.lang.NullPointerException

List of modified sources:

- com.google.javascript.jscomp.TypeCheck

Bug33

```
diff -r /tmp/lang_33b/src/main/java/org/apache/commons/lang3/ClassUtils.java  
/tmp/lang_33f/src/main/java/org/apache/commons/lang3/ClassUtils.java
```

910c910

```
<      classes[i] = array[i].getClass();  
---  
>      classes[i] = array[i] == null ? null : array[i].getClass();
```

Summary for Bug: Lang-33

Revision ID (fixed version):

0603aef594fa60126c2d45f2ab164eee39f7b44c

Revision date (fixed version):

2010-02-05 21:31:38 +0000

Bug report id:

LANG-587

Bug report url:

<https://issues.apache.org/jira/browse/LANG-587>

Root cause in triggering tests:

- org.apache.commons.lang3.ClassUtilsTest::testToClass_object
--> java.lang.NullPointerException
-

List of modified sources:

- org.apache.commons.lang3.ClassUtils
-

Bug39

```
diff -r /tmp/lang_39b/src/java/org/apache/commons/lang3/StringUtils.java  
/tmp/lang_39f/src/java/org/apache/commons/lang3/StringUtils.java  
3675a3676,3678
```

```
>      if (searchList[i] == null || replacementList[i] == null) {  
>          continue;  
>      }
```

Summary for Bug: Lang-39

Revision ID (fixed version):

cb40e35f5e0990fad4c5278964fcc24e112dde8c

Revision date (fixed version):

2009-12-14 07:51:05 +0000

Bug report id:

LANG-552

Bug report url:

<https://issues.apache.org/jira/browse/LANG-552>

Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsTest::testReplace_StringStringArrayStringArray
--> java.lang.NullPointerException
-

List of modified sources:

- org.apache.commons.lang3.StringUtils
-

Bug47

```
diff -r /tmp/lang_47b/src/java/org/apache/commons/lang/text/StrBuilder.java  
/tmp/lang_47f/src/java/org/apache/commons/lang/text/StrBuilder.java  
1185a1186,1188
```

```
>         if (str == null) {  
>             str = "";  
>         }
```

```
1229a1233,1235
```

```
>         if (str == null) {  
>             str = "";  
>         }
```

Summary for Bug: Lang-47

Revision ID (fixed version):

d5e343049c2610c31ddacb24f0d173942f6d5ac9

Revision date (fixed version):

2008-02-13 05:44:46 +0000

Bug report id:

LANG-412

Bug report url:

<https://issues.apache.org/jira/browse/LANG-412>

Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderTest::testLang412Left
--> java.lang.NullPointerException
 - org.apache.commons.lang.text.StrBuilderTest::testLang412Right
--> java.lang.NullPointerException
-

List of modified sources:

- org.apache.commons.lang.text.StrBuilder
-

Bug20

```
diff -r
/tmp/Closure_20b/src/com/google/javascript/jscomp/PeepholeSubstituteAlternateSyntax.java
/tmp/Closure_20f/src/com/google/javascript/jscomp/PeepholeSubstituteAlternateSyntax.java
220c220,221
<   if (value != null) {
---
>   if (value != null && value.getNext() == null &&
>       NodeUtil.isImmutableValue(value)) {
```

Summary for Bug: Closure-20

Revision ID (fixed version):
ebf229b05f4ee71bc05d70830f5dd5683271d661

Revision date (fixed version):
2012-06-21 22:45:36 +0000

Bug report id:
759

Bug report url:
<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-759.json>

Root cause in triggering tests:
-
com.google.javascript.jscomp.PeepholeSubstituteAlternateSyntaxTest::testSimpleFunctionCall
--> junit.framework.AssertionFailedError:

List of modified sources:
- com.google.javascript.jscomp.PeepholeSubstituteAlternateSyntax

Bug36

```
diff -r /tmp/Closure_36b/src/com/google/javascript/jscomp/InlineVariables.java
/tmp/Closure_36f/src/com/google/javascript/jscomp/InlineVariables.java
574a575,577
>   if (convention.getSingletonGetterClassName(callNode) != null) {
>       return false;
>   }
```

Summary for Bug: Closure-36

Revision ID (fixed version):
be397ee0d0be2aad8f71d12f097b17563866445a

Revision date (fixed version):

2012-02-29 05:56:20 +0000

Bug report id:
668

Bug report url:
<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-668.json>

Root cause in triggering tests:
- com.google.javascript.jscomp.IntegrationTest::testSingletonGetter1
--> junit.framework.AssertionFailedError:

List of modified sources:
- com.google.javascript.jscomp.InlineVariables

Bug50

```
diff -r
/tmp/Closure_50b/src/com/google/javascript/jscomp/PeepholeReplaceKnownMethods.java
/tmp/Closure_50f/src/com/google/javascript/jscomp/PeepholeReplaceKnownMethods.java
376c376
<     if (!NodeUtil.isImmutableValue(right)) {
---
>     if (right.getNext() != null || !NodeUtil.isImmutableValue(right)) {
388a389,390
>     if (right != null && right.getType() == Token.STRING
>         && ",".equals(right.getString())) {
389a392,394
>     n.removeChild(right);
>     reportCodeChange();
> }
```

Summary for Bug: Closure-50

Revision ID (fixed version):
c3b630fc9c2a1c4eb7cb718f8d324bfb306cb9df

Revision date (fixed version):
2011-10-28 19:55:05 +0000

Bug report id:
558

Bug report url:
<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-558.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.PeepholeReplaceKnownMethodsTest::testStringJoinAdd
--> junit.framework.AssertionFailedError:
- com.google.javascript.jscomp.PeepholeReplaceKnownMethodsTest::testNoStringJoin
--> junit.framework.AssertionFailedError:

List of modified sources:

- com.google.javascript.jscomp.PeepholeReplaceKnownMethods
-

Bug34

```
diff -r /tmp/lang_34b/src/main/java/org/apache/commons/lang3/builder/ToStringStyle.java  
/tmp/lang_34f/src/main/java/org/apache/commons/lang3/builder/ToStringStyle.java  
148c148
```

```
<    return REGISTRY.get() != null ? REGISTRY.get() : Collections.<Object,  
Object>emptyMap();
```

```
---
```

```
>    return REGISTRY.get();
```

```
164c164
```

```
<    return m.containsKey(value);
```

```
---
```

```
>    return m != null && m.containsKey(value);
```

Summary for Bug: Lang-34

Revision ID (fixed version):

496525b0d626dd5049528cdef61d71681154b660

Revision date (fixed version):

2010-02-04 21:57:58 +0000

Bug report id:

LANG-586

Bug report url:

<https://issues.apache.org/jira/browse/LANG-586>

Root cause in triggering tests:

- org.apache.commons.lang3.builder.ToStringBuilderTest::testObjectCycle
--> junit.framework.AssertionFailedError: Expected: <null> but was: {}
- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionHierarchy
--> junit.framework.AssertionFailedError: Expected: <null> but was: {}
- org.apache.commons.lang3.builder.ToStringBuilderTest::testSelfInstanceTwoVarsReflection
ObjectCycle
--> junit.framework.AssertionFailedError: Expected: <null> but was: {}
- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionArrayCycle
--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

[illegible]

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

List of modified sources:

- org.apache.commons.lang3.builder.ToStringStyle

Bug105

diff -r /tmp/Closure_105b/src/com/google/javascript/jscomp/FoldConstants.java

/tmp/Closure_105f/src/com/google/javascript/jscomp/FoldConstants.java

1477c1477

< StringBuilder sb = new StringBuilder();

> StringBuilder sb = null;

1483c1483,1485

< if (sb.length() > 0) {

> if (sb == null) {

> sb = new StringBuilder();

> } else {

1488c1490

< if (sb.length() > 0) {

> if (sb != null) {

1492c1494

< sb = new StringBuilder();

> sb = null;

1500c1502

< if (sb.length() > 0) {

> if (sb != null) {

Summary for Bug: Closure-105

Revision ID (fixed version):

113a08f59e8116fb11a7d4ceb11d5bb09b74ac3c

Revision date (fixed version):

2010-02-09 21:33:10 +0000

Bug report id:

106

Bug report url:

<https://storage.googleapis.com/google-code-archive/v2/code.google.com/closure-compiler/issues/issue-106.json>

Root cause in triggering tests:

- com.google.javascript.jscomp.FoldConstantsTest::testStringJoinAdd
--> junit.framework.AssertionFailedError:

List of modified sources:

- com.google.javascript.jscomp.FoldConstants

Bug15

diff -r /tmp/chart_15b/source/org/jfree/chart/plot/PiePlot.java
/tmp/chart_15f/source/org/jfree/chart/plot/PiePlot.java

1377a1378,1380

```
>     if (this.dataset == null) {  
>         return 0.0;  
>     }
```

2050a2054

```
>     if (this.dataset != null) {  
2052a2057  
>     }
```

Summary for Bug: Chart-15

Revision ID (fixed version):

749

Revision date (fixed version):

2008-03-19 13:42:01 -0700

Bug report id:

UNKNOWN

Bug report url:

UNKNOWN

Root cause in triggering tests:

- org.jfree.chart.plot.junit.PiePlot3DTests::testDrawWithNullDataset
--> junit.framework.AssertionFailedError

List of modified sources:

- org.jfree.chart.plot.PiePlot

List of other “Green” bugs that do not fit the previous points:

Bug51

```
diff -r /tmp/lang_51b/src/java/org/apache/commons/lang/BooleanUtils.java
/tmp/lang_51f/src/java/org/apache/commons/lang/BooleanUtils.java
681a682
```

```
>         return false;
```

Summary for Bug: Lang-51

Revision ID (fixed version):

a5589b39e985e64861bd920aa7b13ab32c215b06

Revision date (fixed version):

2007-10-27 05:07:45 +0000

Bug report id:

LANG-365

Bug report url:

<https://issues.apache.org/jira/browse/LANG-365>

Root cause in triggering tests:

- org.apache.commons.lang.BooleanUtilsTest::test_toBoolean_String
--> java.lang.StringIndexOutOfBoundsException: String index out of range: 3
-

List of modified sources:

- org.apache.commons.lang.BooleanUtils
-

Bug26

```
diff -r /tmp/Cli_26b/src/java/org/apache/commons/cli/OptionBuilder.java
/tmp/Cli_26f/src/java/org/apache/commons/cli/OptionBuilder.java
347a348,349
```

```
>     Option option = null;
```

```
>     try {
```

```
349c351
```

```
<     Option option = new Option(opt, description);
```

```
---
```

```
>         option = new Option(opt, description);
```

```
358a361
```

```
>     } finally {
```

```
360a364
```

```
>     }
```

Summary for Bug: Cli-26

Revision ID (fixed version):

aa2434d301c49d100f50af544333886a6767ce9d

Revision date (fixed version):
2009-03-16 07:26:44 +0000

Bug report id:
CLI-177

Bug report url:
<https://issues.apache.org/jira/browse/CLI-177>

Root cause in triggering tests:
- org.apache.commons.cli.OptionBuilderTest::testBuilderIsResettedAlways
--> junit.framework.AssertionFailedError: we inherited a description

List of modified sources:
- org.apache.commons.cli.OptionBuilder

Bug53

diff -r /tmp/lang_53b/src/java/org/apache/commons/lang/time/DateUtils.java
/tmp/lang_53f/src/java/org/apache/commons/lang/time/DateUtils.java

```
642a643
>     }
645d645
<     }
651a652
>     }
654d654
<     }
```

Bug3

diff -r /tmp/CLI_3b/src/java/org/apache/commons/cli/TypeHandler.java
/tmp/CLI_3f/src/java/org/apache/commons/cli/TypeHandler.java
25d24

```
< import org.apache.commons.lang.math.NumberUtils;
162c161,171
<         return NumberUtils.createNumber(str);
---
>         if( str != null )
>         {
>             if( str.indexOf('.') != -1 )
>             {
>                 return Double.valueOf(str);
>             }
>             else
>             {
>                 return Long.valueOf(str);
```

```
>      }  
>      }
```

Summary for Bug: Cli-3

Revision ID (fixed version):
d35f2fa7a06457469a617677eeb4c1dc21484006

Revision date (fixed version):
2007-05-28 07:54:52 +0000

Bug report id:
cli-1

Bug report url:
<https://issues.apache.org/jira/browse/CLI-1>

Root cause in triggering tests:
- org.apache.commons.cli.PatternOptionBuilderTest::testSimplePattern
--> junit.framework.AssertionFailedError: number flag n expected:<4.5> but was:<4.5>

List of modified sources:
- org.apache.commons.cli.TypeHandler

Bug9

```
diff -r /tmp/Cli_9b/src/java/org/apache/commons/cli/Parser.java  
/tmp/Cli_9f/src/java/org/apache/commons/cli/Parser.java  
319a320  
>      buff.append(", ");  
322c323  
<      throw new MissingOptionException(buff.toString());  
---  
>      throw new MissingOptionException(buff.substring(0, buff.length() - 2));
```

Summary for Bug: Cli-9

Revision ID (fixed version):
fea35870b69c0d37ab36ab6783edbc7aacc0842c

Revision date (fixed version):
2008-05-08 06:56:36 +0000

Bug report id:
CLI-149

Bug report url:
<https://issues.apache.org/jira/browse/CLI-149>

Root cause in triggering tests:

- org.apache.commons.cli.OptionsTest::testMissingOptionsException
--> junit.framework.ComparisonFailure: expected:<... required options: f[,]x> but was:<... required options: f[]x>
- org.apache.commons.cli.ParseRequiredTest::testMissingRequiredOptions
--> junit.framework.ComparisonFailure: Incorrect exception message expected:<... required options: b[,]c> but was:<... required options: b[]c>

List of modified sources:

- org.apache.commons.cli.Parser
-

Bug17

```
diff -r /tmp/Cli_17b/src/java/org/apache/commons/cli/PosixParser.java
/tmp/Cli_17f/src/java/org/apache/commons/cli/PosixParser.java
302a303
>         break;
```

Summary for Bug: Cli-17

Revision ID (fixed version):

9c5ce3501938cff01d78b7a1fff10a60abe9e0cf

Revision date (fixed version):

2008-07-27 23:38:21 +0000

Bug report id:

CLI-163

Bug report url:

<https://issues.apache.org/jira/browse/CLI-163>

Root cause in triggering tests:

- org.apache.commons.cli.PosixParserTest::testStopBursting
--> junit.framework.AssertionFailedError: Confirm 1 extra arg: 2

List of modified sources:

- org.apache.commons.cli.PosixParser
-

