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jminusminus

Class JComparison

- [java.lang.Object](#)
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```
abstract class JComparison
extends JBooleanBinaryExpression
```

The AST node for a comparison expression. This class captures common aspects of comparison operations.

- **Field Summary**
- **Fields inherited from class jminusminus.JBinaryExpression**
[lhs](#), [operator](#), [rhs](#)
- **Fields inherited from class jminusminus.JExpression**
[isStatementExpression](#), [type](#)
- **Fields inherited from class jminusminus.JAST**
[compilationUnit](#), [line](#)
- **Constructor Summary**

Constructors

Modifier

Constructor and Description

protected **JComparison**(int line, String operator, JExpression lhs, JExpression rhs)
Create an AST node for a comparison expression.

- **Method Summary**

Methods

Modifier and Type

Method and Description

JExpression **analyze**(Context context)
The analysis of a comparison operation consists of analyzing its two operands, and making sure they both have the same numeric type.

- **Methods inherited from**

class jminusminus.JBooleanBinaryExpression

codegen

- **Methods inherited from class jminusminus.JBinaryExpression**

writeToStdOut

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- **Methods inherited from class jminusminus.JExpression**

codegen, isStatementExpression, type

- **Methods inherited from class jminusminus.JAST**

line, partialCodegen

- **Methods inherited from class java.lang.Object**

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- **Constructor Detail**

- **JComparison**

protectedJComparison(intline, Stringoperator, JExpressionlhs, JExpressionrhs)

Create an AST node for a comparison expression.

Parameters:

line - line in which the expression occurs in the source file.

operator - the comparison operator.

lhs - the lhs operand.

rhs - the rhs operand.

- **Method Detail**

- **analyze**

publicJExpressionanalyze(Contextcontext)

The analysis of a comparison operation consists of analyzing its two operands, and making sure they both have the same numeric type.

Specified by:

`analyze` in class `JExpression`

Parameters:

`context` - context in which names are resolved.

Returns:

the analyzed (and possibly rewritten) AST subtree.

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