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jminusminus

Class JAssignment

- java.lang.Object
  - jminusminus.JAST
    - jminusminus.JStatement
      - jminusminus.JExpression
        - jminusminus.JBinaryExpression
          - jminusminus.JAssignment

- Direct Known Subclasses:
    JAssignOp, JPlusAssignment

```
abstract class JAssignment
extends JBinaryExpression
```

The AST node for an assignment statement. This is an abtract class into which we factor behavior common to all assignment 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
    Constructor and Description

```
JAssignment(int line, String operator, JExpression lhs,
JExpession rhs)
```
Construct an AST node for an assignment operation.

- **Method Summary**

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

- **Methods inherited from class jminusminus.JExpression**
  analyze, codegen, isStatementExpression, type

- **Methods inherited from class jminusminus.JAST**
  codegen, line, partialCodegen

- **Methods inherited from class java.lang.Object**
  clone, equals, finalize, getClass, hashCode, notify,
  notifyAll, toString, wait, wait, wait

- **Constructor Detail**

  - **JAssignment**

```
publicJAssignment(intline,
                  Stringoperator,
                  JExpressionlhs,
                  JExpressionrhs)
```

Construct an AST node for an assignment operation.

Parameters:
  line - line in which the assignment operation occurs in the source
  file.
  operator - the actual assignment operator.
  lhs - the lhs operand.
  rhs - the rhs operand.

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