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jminusminus

Class JUnaryExpression

- java.lang.Object
  - jminusminus.JAST
    - jminusminus.JStatement
      - jminusminus.JExpression
        - jminusminus.JUnaryExpression

- Direct Known Subclasses:
  JLogicalNotOp, JNegateOp, JPostDecrementOp, JPreIncrementOp

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```
abstract class JUnaryExpression
extends JExpression
```

The AST node for a unary expression. A unary expression has a single operand.

- **Field Summary**

  Fields

Modifier and Type	Field and Description
protected JExpression	**arg** The operand.

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

  isStatementExpression, type

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

  compilationUnit, line

- **Constructor Summary**

Constructors

Modifier	Constructor and Description
protected	**JUnaryExpression**(int line, String operator, JExpression arg) Construct an AST node for a unary expression given its line number, the unary operator, and the operand.

- **Method Summary**

Methods

Modifier and Type	Method and Description
void	**writeToStdOut**(PrettyPrinter p) Write the information pertaining to this AST to STDOUT.

- **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

- **Field Detail**

  - **arg**

  protected JExpression arg

  The operand.

- **Constructor Detail**

  - **JUnaryExpression**

  protected JUnaryExpression(int line,
                  String operator,
                  JExpression arg)

  Construct an AST node for a unary expression given its line number, the unary operator, and the operand.
  Parameters:
      line - line in which the unary expression occurs in the source file.
      operator - the unary operator.
      arg - the operand.

- **Method Detail**

  - **writeToStdOut**

  public void writeToStdOut(PrettyPrinter p)

Description copied from class: JAST

Write the information pertaining to this AST to STDOUT.

Specified by:

`writeToStdOut` in class `JAST`

Parameters:

p - for pretty printing with indentation.