JavaScript is disabled on your browser.

- Prev Class
- Next Class
- Frames
- No Frames
- All Classes
- Summary:
- Nested |
- Field |
- Constr |
- Method
- Detail:
- Field |
- Constr |
- Method

iminusminus

Class JMethodDeclaration

- java.lang.Object • Arssignment Project Exam Help
 • jminusminus. JMethod Declaration
- All Implemented Interfaces / powcoder.com

Direct Known Subclasses:

JConstructorDeclaration Add WeChat poweoder

class JMethodDeclaration extends JAST implements JMember

The AST node for a method declaration.

Field Summary

Modifier and Type	Field and Description
protected JBlock	body Method body.
protected MethodContext	context Built in analyze().
protected String	descriptor Computed by preAnalyze().
protected boolean	isAbstract Is method abstract.

Fields

protected	boolean	isPrivate Is method private.
protected	boolean	isStatic Is method static.
protected	ArrayList <string></string>	mods Method modifiers.
protected	String	name Method name.
protected	ArrayList <jformalparameter></jformalparameter>	params The formal parameters.
protected	Туре	returnType Return type.

- Fields inherited from class jminusminus.JAST compilationUnit, line
- Constructor Summary

Constructors

Constructor and Description

Assignment Project Exam Helpmods,

String name, Type returnType,

ArrayList<JFormalParameter> params, JBlock body)

Constr**iction** St. note O We to the farth of the line number, method name, return type, formal parameters, and the method body.

· Methods we Chat powcoder

Modifier	
and Type	

Method and Description

JAST	analyze(Context context) Analysis for a method declaration involves (1) creating a new method context (that records the return type; this is used in the analysis of the method body), (2) bumping up the offset (for instance methods), (3) declaring the formal parameters in the method context, and (4) analyzing the method's body.
void	<pre>codegen(CLEmitter output) Generate code for the method declaration.</pre>
void	<pre>partialCodegen(Context context, CLEmitter partial) Add this method declaration to the partial class.</pre>
void	<pre>preAnalyze(Context context, CLEmitter partial) Declare this method in the parent (class) context.</pre>
void	<pre>writeToStdOut(PrettyPrinter p) Write the information pertaining to this AST to STDOUT.</pre>

• Methods inherited from class jminusminus.JAST

line

Methods inherited from class java.lang.Object

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

Field Detail

mods

protectedArrayList<String> mods

Method modifiers.

• name

protectedString name

Method name.

returnType

protectedType returnType

Return type.

params

Assignment Project Exam Help

The formal parameters.

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Athado We Chat powcoder

context

protectedMethodContext context

Built in analyze().

descriptor

protectedString descriptor

Computed by preAnalyze().

isAbstract

protectedboolean isAbstract

Is method abstract.

isStatic

protectedboolean isStatic

Is method static.

isPrivate

protectedboolean isPrivate

Is method private.

Constructor Detail

• JMethodDeclaration

Construct an AST node for a method declaration given the line number, method name, return type, formal parameters, and the method body.

Parameters:

line - line in which the method declaration occurs in the source file.
mods - modifiers.
name - method name.
returnType - return type.
params - the formal parameters.
body - method body.

Method Detail

preAnalyze

Assignment Project Exam Help

Declare this method in the parent (class) context.

```
herified by/ powicoder com
```

Parameters:

context - the parent (class) context.

A dantia V-the conferming (by all of extraction for producing the partial class).

analyze

publicJASTanalyze(Contextcontext)

Analysis for a method declaration involves (1) creating a new method context (that records the return type; this is used in the analysis of the method body), (2) bumping up the offset (for instance methods), (3) declaring the formal parameters in the method context, and (4) analyzing the method's body.

Specified by:

analyze in class JAST

Parameters:

context - context in which names are resolved.

Returns:

the analyzed (and possibly rewritten) AST subtree.

partialCodegen

Add this method declaration to the partial class.

Overrides:

partialCodegen in class JAST

Parameters:

context - the parent (class) context.
partial - the code emitter (basically an abstraction for producing the
partial class).

• codegen

publicvoidcodegen(CLEmitteroutput)

Generate code for the method declaration.

Specified by:

codegen in class JAST

Parameters:

output - the code emitter (basically an abstraction for producing the .class file).

writeToStdOut

publicvoidwriteToStdOut(PrettyPrinterp)

Description copied from class: JAST

Write the information pertaining to this AST to STDOUT.

Specified by:

writeToStdOut in class JAST

Parameters:

Assignmenty Projected Extram Help

- Prev Class
- Next Class

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Add WeChat powcoder

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