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jminusminus

## Class JEmptyStatement

- [java.lang.Object](#)
  - [jminusminus.AST](#)
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```
class JEmptyStatement
extends JStatement
```

The (dummy) AST node for representing the empty statement. Nothing needs to be done during analysis or code generation. It simply represents empty statements that are denoted by the ";" in j--.

- **Field Summary**
- **Fields inherited from class jminusminus.JAST**  
[compilationUnit](#), [line](#)
- **Constructor Summary**

Constructors

Modifier

Constructor and Description

protected	<b>JEmptyStatement</b> (int line) Construct an AST node for an empty statement.
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- **Method Summary**

Methods

Modifier and

Method and Description

## Type

JAST	<b>analyze</b> (Context context) Perform semantic analysis on this AST.
void	<b>codegen</b> (CLEmitter output) Perform code generation for this AST.
void	<b>writeToStdOut</b> (PrettyPrinter p) Write the information pertaining to this AST to STDOUT.

- **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**

- **JEmptyStatement**

`protected JEmptyStatement(int line)`

Construct an AST node for an empty statement.

**Parameters:**

`line` - line in which the empty statement occurs in the source file.

- **Method Detail**

- **analyze**

`public JAST analyze(Context context)`

**Description copied from class: JAST**

Perform semantic analysis on this AST. In some instances a new returned AST reflects surgery.

**Specified by:**

`analyze` in class `JAST`

**Parameters:**

`context` - the environment (scope) in which code is analyzed.

**Returns:**

a (rarely modified) AST.

- **codegen**

`public void codegen(CLEmitter output)`

**Description copied from class: JAST**

Perform code generation for this AST.

**Specified by:**

`codegen` in class `JAST`

**Parameters:**

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

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- **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.

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- Detail:
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