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jminusminus

Class TokenInfo

- java.lang.Object
  - jminusminus.TokenInfo

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```
class TokenInfo
extends Object
```

A representation of tokens returned by the lexical analyzer method, getNextToken(). A token has a kind identifying what kind of token it is, an image for providing any semantic text, and the line in which it occurred in the source file.

- **Constructor Summary**

Constructors

Constructor and Description
TokenInfo(TokenKind kind, int line) Construct a TokenInfo from its kind, and its line number.
TokenInfo(TokenKind kind, String image, int line) Construct a TokenInfo from its kind, the semantic text forming the token, and its line number.

- **Method Summary**

Methods

Modifier and Type	Method and Description
String	**image**() Return the semantic text associated with the

	token.
TokenKind	**kind**() Return the token's kind.
int	**line**() Return the line number associated with the token.
String	**tokenRep**() Return the token's string representation.
String	**toString**() Return the token's image.

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

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

- **Constructor Detail**

  - **TokenInfo**

```
publicTokenInfo(TokenKindkind,
        Stringimage,
        intline)
```

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Construct a TokenInfo from its kind, the semantic text forming the token, and its line number.

Parameters:

`kind` - the token's kind.

`image` - the semantic text comprising the token.

`line` - the line in which the token occurs in the source file.

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  - **TokenInfo**

```
publicTokenInfo(TokenKindkind,
        intline)
```

Construct a TokenInfo from its kind, and its line number. Its image is simply its string representation.

Parameters:

`kind` - the token's identifying number.

`line` - identifying the line on which the token was found.

- **Method Detail**

  - **tokenRep**

```
publicStringtokenRep()
```

Return the token's string representation.

Returns:

the string representation.

  - **image**

```
publicStringimage()
```

Return the semantic text associated with the token.

Returns:

the semantic text.

- **line**

```
publicintline()
```

Return the line number associated with the token.

Returns:

the line number.

- **kind**

```
publicTokenKindkind()
```

Return the token's kind.

Returns:

the kind.

- **toString**

```
publicStringtoString()
```

Return the token's image.

Overrides:

`toString` in class `Object`

Returns:

the image.

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