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jminusminus

Class Scanner

- java.lang.Object
  - jminusminus.Scanner

.

_____

```
class Scanner
extends Object
```

A lexical analyzer for j--, that has no backtracking mechanism. When you add a new token to the scanner, you must also add an entry in the TokenKind enum in TokenInfo.java specifying the kind and image of the new token.

- **Field Summary**

| | Fields |
Modifier and Type	Field and Description
static char	**EOFCH** End of file character.

- **Constructor Summary**

| Constructors |
Constructor and Description
Scanner(String fileName) Construct a Scanner object.

- **Method Summary**

| Methods |

Modifier and Type	Method and Description
boolean	**errorHasOccurred**() Has an error occurred up to now in lexical analysis?
String	**fileName**() The name of the source file.
TokenInfo	**getNextToken**() Scan the next token from input.

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

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

- **Field Detail**

  - **EOFCH**

  `public static finalchar EOFCH`

  End of file character.

  See Also:
  Constant Field Values

- **Constructor Detail**

  - **Scanner**

  `publicScanner(StringfileName)`
  `throws FileNotFoundException`

  Construct a Scanner object.
  Parameters:
  fileName - the name of the file containing the source.
  Throws:
  FileNotFoundException - when the named file cannot be found.

- **Method Detail**

  - **getNextToken**

  `publicTokenInfogetNextToken()`

  Scan the next token from input.
  Returns:
  the the next scanned token.

  - **errorHasOccurred**

  `publicbooleanerrorHasOccurred()`

  Has an error occurred up to now in lexical analysis?
  Returns:
  true or false.

- **fileName**

```
public String fileName()
```

The name of the source file.
Returns:
     name of the source file.

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