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jminusminus

Class JavaCCParser

- java.lang.Object
  - jminusminus.JavaCCParser

- All Implemented Interfaces:
  JavaCCParserConstants

```
 class JavaCCParser
extends Object
implements JavaCCParserConstants
```

Parser generated by JavaCC. It parses a j-- compilation unit (program file), taking tokens from the scanner (also generated by JavaCC), and produces an abstract syntax tree (AST) for it.

- **Nested Class Summary**

Nested Classes

Modifier and Type	Class and Description
(package private) static class	**JavaCCParser.JJCalls**

- **Field Summary**

Fields

Modifier and Type	Field and Description
(package private) SimpleCharStream	**jj_input_stream**
Token	**jj_nt**

boolean	**lookingAhead**
Token	**token**
JavaCCParserTokenManager	**token_source**

- **Fields inherited from interface jminusminus.JavaCCParserConstants**

  ABSTRACT, ASSIGN, BOOLEAN, CHAR, CHAR_LITERAL, CLASS, COMMA, DEC, DEFAULT, DIGIT, DOT, ELSE, EOF, EQUAL, ERROR, ESC, EXTENDS, FALSE, GT, IDENTIFIER, IF, IMPORT, INC, INSTANCEOF, INT, INT_LITERAL, LAND, LBRACK, LCURLY, LE, LETTER, LNOT, LPAREN, MINUS, NEW, NON_ZERO_DIGIT, NULL, PACKAGE, PLUS, PLUS_ASSIGN, PRIVATE, PROTECTED, PUBLIC, RBRACK, RCURLY, RETURN, RPAREN, SEMI, SINGLE_LINE_COMMENT, STAR, STATIC, STRING_LITERAL, SUPER, THIS, tokenImage, TRUE, VOID, WHILE

- **Constructor Summary**

Constructors

Constructor and Description

JavaCCParser(InputStream stream)

JavaCCParser(InputStream stream, String encoding)

JavaCCParser(JavaCCParserTokenManager tm)

JavaCCParser(Reader stream)

- **Method Summary**

Methods

Modifier and Type	Method and Description
JCompilationUnit	**compilationUnit**()
void	**disable_tracing**()
void	**enable_tracing**()
boolean	**errorHasOccurred**() Has a parser error occurred up to now?
void	**fileName**(String fileName) Set the name of the file that is being parsed.
ParseException	**generateParseException**()
Token	**getNextToken**()

Token	**getToken**(int index)
void	**ReInit**(InputStream stream)
void	**ReInit**(InputStream stream, String encoding)
void	**ReInit**(JavaCCParserTokenManager tm)
void	**ReInit**(Reader stream)

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

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

- **Field Detail**

  - **token_source**

  public JavaCCParserTokenManager token_source

  - **jj_input_stream**

  SimpleCharStream jj_input_stream

  - **token**

  public Token token

  - **jj_nt**

  public Token jj_nt

  - **lookingAhead**

  public boolean lookingAhead

- **Constructor Detail**

  - **JavaCCParser**

  public JavaCCParser(InputStream stream)

  - **JavaCCParser**

  public JavaCCParser(InputStream stream,
                      String encoding)

  - **JavaCCParser**

  public JavaCCParser(Reader stream)

  - **JavaCCParser**

  public JavaCCParser(JavaCCParserTokenManager tm)

- **Method Detail**

  - **fileName**

  `publicvoidfileName(StringfileName)`

   Set the name of the file that is being parsed.
  Parameters:
      `fileName` - name of the file.

  - **errorHasOccurred**

  `publicbooleanerrorHasOccurred()`

   Has a parser error occurred up to now?
  Returns:
      true or false.

  - **compilationUnit**

  `public finalJCompilationUnitcompilationUnit()`
                                          `throws ParseException`

  Throws:
      `ParseException`

  - **ReInit**

  `publicvoidReInit(InputStreamstream)`

  - **ReInit**

  `publicvoidReInit(InputStreamstream,`
          `Stringencoding)`

  - **ReInit**

  `publicvoidReInit(Readerstream)`

  - **ReInit**

  `publicvoidReInit(JavaCCParserTokenManagertm)`

  - **getNextToken**

  `public finalTokengetNextToken()`

  - **getToken**

  `public finalTokengetToken(intindex)`

  - **generateParseException**

  `publicParseExceptiongenerateParseException()`

  - **enable_tracing**

  `public finalvoidenable_tracing()`

  - **disable_tracing**

  `public finalvoiddisable_tracing()`

- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- Field |
- Constr |
- Method

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