Token (Abstract Class) — UML Class Diagram

Token
Abstract Class
- Fields
  - column
  - line
- Methods
  - Token

EOFToken
Class
↣ Token
- Methods
  - EOFToken

SpecialSymbolT...
Class
↣ Token
- Fields
  - value
- Methods
  - SpecialSymbolTo...
  - ToString

OtherToken
Class
↣ Token
- Fields
  - value
- Methods
  - OtherToken
  - ToString

CommentToken
Class
↣ Token
- Fields
  - isInline
  - value
- Methods
  - CommentToken
  - ToString

IdentToken
Class
↣ Token
- Fields
  - value
- Methods
  - IdentToken
  - ToString

KeywordToken
Class
↣ Token
- Fields
  - value
- Methods
  - KeywordToken
  - ToString

LiteralToken
Abstract Class
↣ Token
- Methods
  - LiteralToken

BooleanToken
Class
↣ LiteralToken
- Fields
  - value
- Methods
  - BooleanToken
  - ToString

CharToken
Class
↣ LiteralToken
- Fields
  - value
- Methods
  - CharToken
  - ToString

NumberToken
Class
↣ LiteralToken
- Fields
  - value
- Methods
  - NumberToken
  - ToString

DoubleToken
Class
↣ LiteralToken
- Fields
  - value
- Methods
  - DoubleToken
  - ToString

StringToken
Class
↣ LiteralToken
- Fields
  - value
- Methods
  - StringToken
  - ToString

TableSymbol
Abstract Class
↣ IdentToken
- Methods
  - TableSymbol

MethodSymbol
Class
↣ TableSymbol
- Fields
  - formalParams
  - methodInfo
  - returnType
- Methods
  - MethodSymbol
  - ToString

ExternalMethod...
Class
↣ TableSymbol
- Fields
  - methodInfo
- Methods
  - ExternalMethodS...
  - ToString

FieldSymbol
Class
↣ TableSymbol
- Fields
  - fieldInfo
- Methods
  - FieldSymbol
  - ToString

TypeSymbol
Abstract Class
↣ TableSymbol
- Fields
  - type
- Methods
  - ToString
  - TypeSymbol

PrimitiveTypeSy...
Class
↣ TypeSymbol
- Methods
  - PrimitiveTypeSy...

FormalParamSy...
Class
↣ TableSymbol
- Fields
  - parameterInfo
  - paramType
- Methods
  - FormalParamSym...
  - ToString

LocalVarSymbol
Class
↣ TableSymbol
- Fields
  - localVariableInfo
- Methods
  - LocalVarSymbol
  - ToString

Table
Class

Fields
- fieldScope
- references
- symbolTable
- universeScope
- usingNamespaces

Methods
- Add
- AddField
- AddFormalParam
- AddLocalVar
- AddMethod
- AddToUniverse
- AddUsingNamesp...
- BeginScope
- EndScope
- ExistCurrentScop...
- GetSymbol
- ResolveExternalM...
- ResolveExternalT...
- Table
- ToString

Compiler
Static Class

Fields
- references

Methods
- AddReferences
- Compile (+ 1 ove...

Program
Class

Methods
- Main

Emit
Class

Fields
- assembly
- cctor
- concatMethodInfo
- executableName
- haveMainMethod
- il
- il_cctor
- isMain
- method
- module
- program
- symbolTable

Methods
- AddAdditiveOp
- AddArrayAssigment
- AddAsOp
- AddAssignCast
- AddBox
- AddBranch
- AddCast
- AddConcatenation...
- AddCondBranch
- AddConditionOp
- AddField
- AddFieldAssigment
- AddGetArray
- AddGetBoolean
- AddGetChar
- AddGetDouble
- AddGetField
- AddGetLocalVar
- AddGetNull
- AddGetNumber
- AddGetParameter
- AddGetString
- AddIncArray
- AddIncField
- AddIncLocalVar
- AddIncParameter
- AddIsOp
- AddLoadArray
- AddLocalVar
- AddLocalVarAssig...
- AddMethod
- AddMethodCall
- AddMultiplicative...
- AddParam
- AddParameterAss...
- AddPop
- AddReturn
- AddUnaryOp
- AddUnboxAny
- BeginScope
- CanInitializeLocat...
- Emit
- EndScope
- FinishLastMethod
- GetLabel
- GetMethodReturn...
- InitProgramClass
- MarkLabel
- WriteExecutable

Scanner
Class

Fields
- ch
- column
- CR
- EOF
- Escape
- keywords
- LF
- line
- reader
- skipComments
- specialSymbols1
- specialSymbols2
- specialSymbols2P...

Properties
- SkipComments

Methods
- Next
- ReadNextChar
- Scanner
- UnEscape

DefaultDiagnost...
Class
↳ Diagnostics

Fields
- errorCount
- noteCount
- warningCount

Properties
- ErrorCount
- NoteCount
- WarningCount

Methods
- BeginSourceFile
- EndSourceFile
- Error
- GetErrorCount
- Note
- Warning

Diagnostics
Abstract Class

Methods
- BeginSourceFile
- EndSourceFile
- Error
- GetErrorCount
- Note
- Warning

Parser
Class

Fields
- breakStack
- continueStack
- diag
- emit
- scanner
- symbolTable
- token

Methods
- AddPredefinedSy...
- AssignableTypes
- CheckBoolean
- CheckChar
- CheckDouble
- CheckIdent
- CheckKeyword
- CheckNumber
- CheckSpecialSym...
- CheckString
- Error (+ 2 overlo...
- IsAdditiveExpr
- IsBlock
- IsExpression
- IsFieldDeclOrMet...
- IsLiteral
- IsLocation
- IsMultiplicativeExpr
- IsProgram
- IsSimpleExpr
- IsStatement
- IsType
- IsUsingClause
- IsVarDecl
- Note (+ 2 overlo...
- Parse
- Parser
- ReadNextToken
- SkipUntilSemiColon
- Warning (+ 2 ov...

Nested Types