Highlighted : Counted as a logical line of code

Orange : Not counted as a logical line of code

[Blue](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/71e4f09404a9ee79.html) : Not yet determined if it should be a line of code

Fun discovered stuff:

global::

the prefix global:: lets you start looking for something at the global level.

<https://msdn.microsoft.com/en-us/library/c3ay4x3d.aspx>

// statements

[Block](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/3965eb19de02ab36.html) = 8792,

{ ]

[LocalDeclarationStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/c904569d1143fd32.html) = 8793,

string a = 5;

[VariableDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/54531774d7ae28bc.html) = 8794,

string a = 5;

[VariableDeclarator](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/eb47bae74bdabac6.html) = 8795,

string a = 5;

[EqualsValueClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/1f568536a8ed71f1.html) = 8796,

string a = 5;

[ExpressionStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/a1f21ed8903144a6.html) = 8797,

a = new thing(); or

object.method(); etc.

[EmptyStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/89022fb51ee57d6c.html) = 8798,

;

[LabeledStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/4f22021dbf76312f.html) = 8799,

PlaceToGoto:

// jump statements

[GotoStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/2e6be0fe0406298e.html) = 8800,

goto PlaceToGoto;

[GotoCaseStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/ff36fae596f570df.html) = 8801,

switch (thing)

{

case 1:

break;

case 2:

goto case 1;

}

[GotoDefaultStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/a9eb5d6543114695.html) = 8802,

switch (thing)

{

case 1:

break;

case 2:

goto default;

default:

break;

}

[BreakStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/11642f22d02e78ac.html) = 8803,

break;

[ContinueStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/00702e51c5c8c62f.html) = 8804,

continue;

[ReturnStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/f8d5ca3f1666725d.html) = 8805,

return value;

[YieldReturnStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/c0686d847e66cde1.html) = 8806,

yield return <expression>

[YieldBreakStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/80b2bf6e7d909646.html) = 8807,

yield break;

[ThrowStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/10f0a1ac8e1cc065.html) = 8808,

throw <exception>;

[WhileStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/c6b9a697ebe50f76.html) = 8809,

while (bool)

{

}

[DoStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/591521b149aa1a96.html) = 8810,

do

{

} while (bool)

[ForStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/d54ea2738d25caee.html) = 8811,

for (init; test; increment)

{

}

[ForEachStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/38f25735b1efbf87.html) = 8812,

foreach (Type myThing in collection)

{

}

[UsingStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/eb8ba3cc2d3385f9.html) = 8813,

using (string a = “5”)

{

}

[FixedStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/672d0983102588cb.html) = 8814,

fixed (int\* p = &pt.x)

{

\*p = 1;

}

<https://msdn.microsoft.com/en-us/library/f58wzh21.aspx>

// checked statements

[CheckedStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/0f2af3a52bec386f.html) = 8815,

checked

{

int i3 = 2147483647 + ten;

}

<https://msdn.microsoft.com/en-us/library/74b4xzyw.aspx>

[UncheckedStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/cdd6ca9dd8d275c5.html) = 8816,

unchecked

{

int1 = 2147483647 + 10;

}

<https://msdn.microsoft.com/en-us/library/a569z7k8.aspx>

[UnsafeStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/4fb41a1fd686be04.html) = 8817,

unsafe

{

// Unsafe context: can use pointers here.

}

<https://msdn.microsoft.com/en-us/library/chfa2zb8.aspx>

[LockStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/635fa2a0a9ef592e.html) = 8818,

lock (thisLock)

{

if (amount > balance)

{

throw new Exception("Insufficient funds");

}

balance -= amount;

}

[IfStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/53b60e05c35bc547.html) = 8819,

if (bool)

{

}

also

else if (bool)

{

}

[ElseClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/0d8d914bc427c1a9.html) = 8820,

else if (bool)

{

}

also

else

{

}

[SwitchStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/6b2d773ce075c4ee.html) = 8821,

switch (thing)

{

}

[SwitchSection](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/c7fc9d56acaf0395.html) = 8822,

switch (thing)

{

case 1:

break;

}

[CaseSwitchLabel](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/71e4f09404a9ee79.html) = 8823,

switch (thing)

{

case 1:

break;

}

[DefaultSwitchLabel](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/e45e4f58fb96ba61.html) = 8824,

switch (thing)

{

default:

break;

}

[TryStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/6dea2a7723d0cece.html) = 8825,

try

{

}

catch

{

}

finally

{

}

[CatchClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/a654ecbb9afb11d0.html) = 8826,

try

{

}

catch

{

}

finally

{

}

[CatchDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/dcba706610352395.html) = 8827,

try

{

}

catch (InvalidCastException e)

{

}

finally

{

}

[CatchFilterClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/9dd285b11abc24f4.html) = 8828,

<http://stackoverflow.com/questions/38497774/catching-exceptions-with-catch-when>

try

{

}

catch (InvalidCastException e) when (e.Data.Count == 1)

{

}

[FinallyClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/bf080318d80e4d29.html) = 8829,

try

{

}

catch

{

}

finally

{

}

// statements that didn't fit above

[LocalFunctionStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/e6e4ea6270b0596c.html) = 8830,

C# 7.0 and up. This SHOULD be a logical line of code, but until 7.0 comes out you can’t actually set it up.

<https://github.com/dotnet/roslyn/issues/3911>

<http://stackoverflow.com/questions/40943117/local-function-vs-lambda-c-sharp-7-0>

// declarations

[CompilationUnit](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/81e65e8931b2416b.html) = 8840,

This is the top level, the stuff outside of a class / namespace. Like at the file level, where using directives go.

[GlobalStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/4b574be28873da04.html) = 8841,

Near as I can tell this isn’t possible to use directly looking at the unit tests.

[http://source.roslyn.io/#Roslyn.Compilers.CSharp.Syntax.UnitTests/Parsing/ScriptParsingTests.cs,36485d1907176c49](http://source.roslyn.io/" \l "Roslyn.Compilers.CSharp.Syntax.UnitTests/Parsing/ScriptParsingTests.cs,36485d1907176c49)

[NamespaceDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/73a15fe2d26e721b.html) = 8842,

namespace MyNamepsace

{

}

[UsingDirective](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/6a4238b2c9ccc118.html) = 8843,

using someNamespace;

/// Start here

[ExternAliasDirective](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/da319f5d34c3fef0.html) = 8844,

// attributes

[AttributeList](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/db9cf60ff447bd06.html) = 8847,

[AttributeTargetSpecifier](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/7af98080fbc9c81f.html) = 8848,

[Attribute](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/e33930a1d1ec98a7.html) = 8849,

[AttributeArgumentList](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/1b400df359feadf4.html) = 8850,

[AttributeArgument](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/fae905511b9a9b5c.html) = 8851,

[NameEquals](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/240a2c8cf35728ab.html) = 8852,

// type declarations

[ClassDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/355c0c4b8e3c18ce.html) = 8855,

class myClass

{

}

[StructDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/49f2e628b56c8599.html) = 8856,

struct

{

}

[InterfaceDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/f547ed176ba97180.html) = 8857,

interface IMyInterface

{

}

[EnumDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/afb896285d6c1ff5.html) = 8858,

enum myEnum { a, b, c};

[DelegateDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/812cca3b948434b5.html) = 8859,

public delegate void myDelegate();

[BaseList](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/77025ae61dcb7176.html) = 8864,

[SimpleBaseType](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/a8228f1c69bc97c9.html) = 8865,

[TypeParameterConstraintClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/5e7564d081b41a0c.html) = 8866,

[ConstructorConstraint](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/07ad52ad88aa19a8.html) = 8867,

[ClassConstraint](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/44861ebb8d8f12e4.html) = 8868,

[StructConstraint](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/001c79693042db78.html) = 8869,

[TypeConstraint](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/f7a93af55c2aaa08.html) = 8870,

[ExplicitInterfaceSpecifier](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/95d55c44e7c49936.html) = 8871,

[EnumMemberDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/c6e0cda7d33ad154.html) = 8872,

[FieldDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/bd66e06e32389030.html) = 8873,

[EventFieldDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/c64aef39c4881942.html) = 8874,

[MethodDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/f888c625ee964f4b.html) = 8875,

[OperatorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/b8baa81e2d5f6342.html) = 8876,

[ConversionOperatorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/a8ca2d1e3c9bac5c.html) = 8877,

[ConstructorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/5441df22b7fa0844.html) = 8878,

[BaseConstructorInitializer](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/52368fe42c6f079e.html) = 8889,

[ThisConstructorInitializer](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/318030aa713d108c.html) = 8890,

[DestructorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/272562b9b9f81bed.html) = 8891,

[PropertyDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/4dfd434a2a20b576.html) = 8892,

[EventDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/9ae3b9647fd746bc.html) = 8893,

[IndexerDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/5cb3c9d3e7bdf2ba.html) = 8894,

[AccessorList](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/744d079151788e38.html) = 8895,

[GetAccessorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/21c28cb907677ffd.html) = 8896,

[SetAccessorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/4431df56cc2d289f.html) = 8897,

[AddAccessorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/e3174c24b3779e36.html) = 8898,

[RemoveAccessorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/bb4d4431bb32ae58.html) = 8899,

[UnknownAccessorDeclaration](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/2e034c577dc057a4.html) = 8900,

[ParameterList](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/aa08f283ff568f71.html) = 8906,

[BracketedParameterList](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/513d3f9d291a939c.html) = 8907,

[Parameter](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/9aac2859a8c2a4cc.html) = 8908,

[TypeParameterList](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/7992b84823795e2e.html) = 8909,

[TypeParameter](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/b8f66e98014e96c4.html) = 8910,

[IncompleteMember](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/57eee2eb4ede9812.html) = 8916,

[ArrowExpressionClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/dc56d07fe72ca813.html) = 8917,

[Interpolation](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/adddae4f44cfe2fb.html) = 8918, // part of an interpolated string

[InterpolatedStringText](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/d329e89335e8afcc.html) = 8919,

[InterpolationAlignmentClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/d9bc9b065ffc56d6.html) = 8920,

[InterpolationFormatClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/482407980ff539bb.html) = 8921,

[ShebangDirectiveTrivia](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/4986c849e008cde0.html) = 8922,

[LoadDirectiveTrivia](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/46880ef136b0cc44.html) = 8923,

// Changes after C# 6

// tuples

[TupleType](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/cc1a8b184a0e9f34.html) = 8924,

[TupleElement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/a23ff3706bf0189a.html) = 8925,

[TupleExpression](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/4dbbfce345102a3a.html) = 8926,

[SingleVariableDesignation](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/f6c66809b32c6bbf.html) = 8927,

[ParenthesizedVariableDesignation](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/d50f61153a51d3ed.html) = 8928,

[ForEachVariableStatement](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/93f034240d1ab7a6.html) = 8929,

// patterns (for pattern-matching)

[DeclarationPattern](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/5a1a1a5f77e59836.html) = 9000,

[ConstantPattern](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/96b012f6cc60cd8f.html) = 9002,

[CasePatternSwitchLabel](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/f143ce8da6197da6.html) = 9009,

[WhenClause](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/d3ec4e01627eef5f.html) = 9013,

[DiscardDesignation](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/50769067a9dc39d3.html) = 9014,

// Kinds between 9000 and 9039 are "reserved" for pattern matching.

// Please start with 9040 if you add more kinds below.

[DeclarationExpression](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/a41507f78c153660.html) = 9040,

[RefExpression](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/722f322e2f26877d.html) = 9050,

[RefType](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/59f0dc107e6fe2c7.html) = 9051,

[ThrowExpression](http://source.roslyn.codeplex.com/Microsoft.CodeAnalysis.CSharp/R/2178e3cb6d798e45.html) = 9052,