



Modern C# Development

By Louëlla Creemers

Who am I

- Louëlla Creemers
- Microsoft MVP
- .NET Developer @ 4DotNet
- Content Creator

The background features several abstract geometric shapes. In the top left, there is a teal circle and a blue triangle. Below the triangle is a teal semi-circle and a small teal circle. To the left of the semi-circle are two vertical grey dashes. In the bottom left, there is a blue square outline and a large teal circle. Above the large teal circle are three grey dashes arranged in a semi-circular pattern.

C# versions

Roslyn



C# 12.0

Feature	Branch	State	Developer	Reviewer	LDM Champ
ref readonly parameters	RefReadOnly	Merged into 17.8p2	jjonescz	jcouv , AleksyTs	akhera99
Collection Expressions	CollectionLiterals	Merged into 17.7p5	cston	333fred , RikkiGibson	CyrusNajmabadi
Interceptors (experimental feature)	interceptors	Merged into 17.7p3	RikkiGibson	cston , jcouv	akhera99
Inline Arrays	InlineArrays	Merged into 17.7p3	AleksyTs	cston , jjonescz	Cosifne
nameof accessing instance members	main	Merged into 17.7p1	YairHalberstadt , jjonescz	333fred , AleksyTs	333fred
Using aliases for any type	main	Merged into 17.6.P3	CyrusNajmabadi	jcouv cston	CyrusNajmabadi
Primary Constructors	PrimaryConstructors	Merged into 17.6.P2	AleksyTs	cston , jjonescz	akhera99
Lambda optional parameters	lambda-default-parameters	Merged into 17.5p2	adamperlin , jjonescz	333fred , cston	captainsafia
Experimental attribute	main	Merged into 17.8p2	jcouv	cston , jjonescz	jcouv

Ref fields	Pattern Matching	Switch expressions
DateOnly	nameof(parameter)	Utf8 literal strings
TimeOnly	File-scoped namespace	File-local types
Records	Top Level Statements	Primary constructors
Global Usings	Static lambdas	Ref readonly
Ranges	Required members	Checked operators

“What is your
favourite modern
C# feature?”



Ref fields

Pattern Matching

Ref readonly

DateOnly

nameof(parameter)

Utf8 literal strings

TimeOnly

File-scoped namespace

File-local types

Records

Top Level Statements

Primary constructors*

Global Usings

Static lambdas

Switch expressions

Ranges

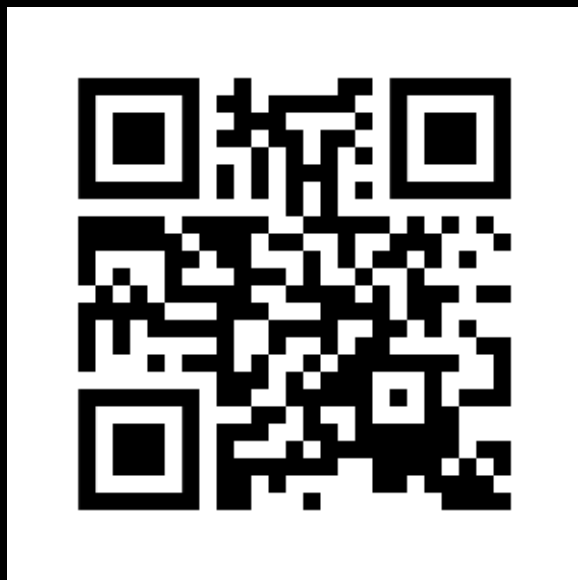
Required members

Checked operators

Roslyn Repository



<https://shorturl.at/hjnLM>



louella.dev/socials

Thank you for listening!
