Modern C# Development

By Louëlla Creemers

Who am I

- Louëlla Creemers
- Microsoft MVP
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- Content Creator

C# versions

Roslyn

C# 12.0

Feature	Branch	State	Developer	Reviewer	LDM Champ
ref readonly parameters	RefReadonly	Merged into 17.8p2	jjonescz	jcouv, AlekseyTs	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	AlekseyTs	cston, jjonescz	Cosifne
nameof accessing instance members	main	Merged into 17.7p1	YairHalberstadt, jjonescz	333fred, AlekseyTs	333fred
Using aliases for any type	main	Merged into 17.6.P3	CyrusNajmabadi	jcouv cston	CyrusNajmabadi
Primary Constructors	PrimaryConstructors	Merged into 17.6.P2	AlekseyTs	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

DateOnly

TimeOnly

Records

Global Usings

Ranges

Pattern Matching

nameof(parameter)

File-scoped namespace

Top Level Statements

Static lambdas

Required members

Switch expressions

Utf8 literal strings

File-local types

Primary constructors

Ref readonly

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!