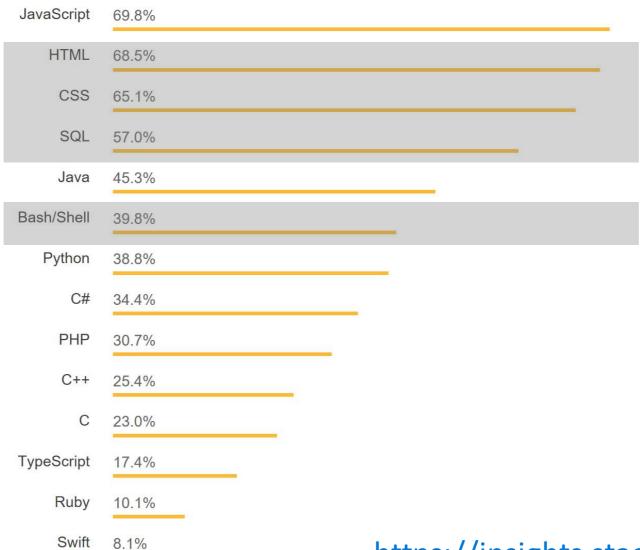
# Going Open!

C# for Everyone

Mads Torgersen Microsoft

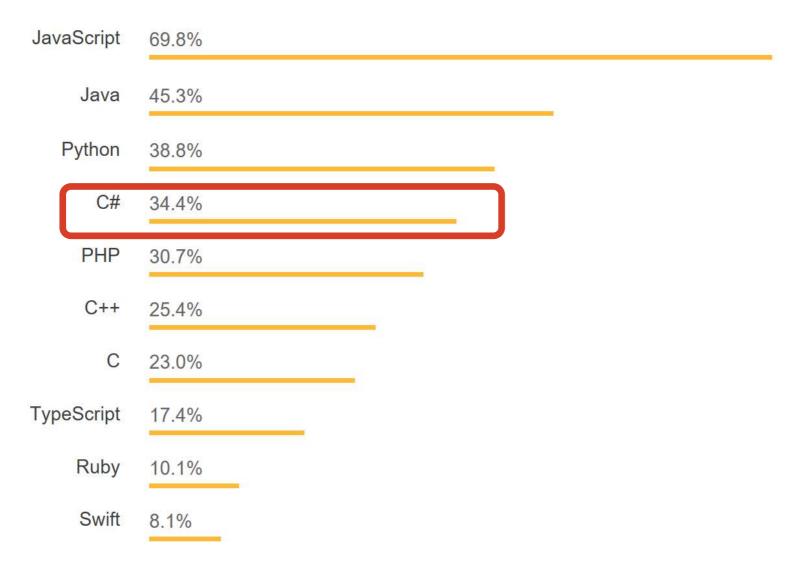


### Stack Overflow - most popular languages

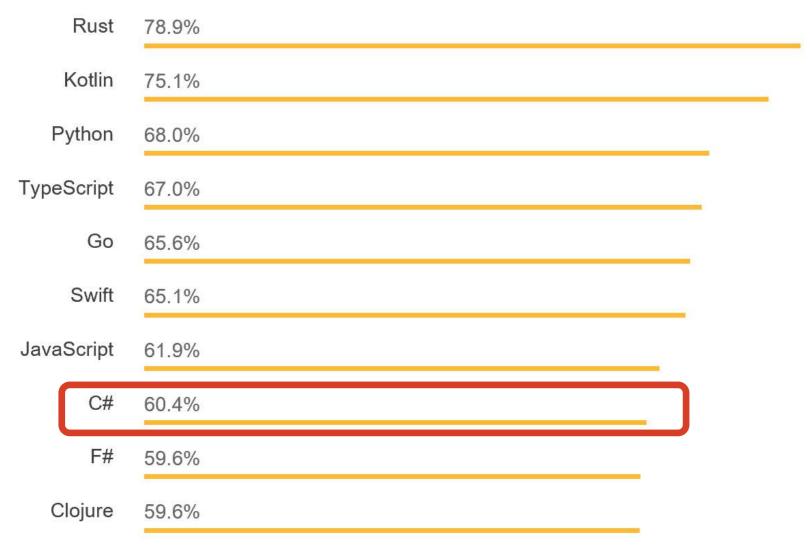


https://insights.stackoverflow.com/survey/2018

## Stack Overflow - most popular languages



## Stack Overflow - most loved languages



https://insights.stackoverflow.com/survey/2018

# Why?

1. Great on Windows

2. Great in Visual Studio

... and elsewhere

3. Great language for the times

... even as they change

### Going open

#### Open source

Runtime, framework, compiler

#### Cross platform

Runs pretty much anywhere

### Open language API "Roslyn"

Syntax trees and more

#### **Cross IDE**

**OmniSharp** 

### Open design

Language design is a conversation

### Open to change



### Going open – open source

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### C# everywhere - Xamarin

## iOS, Android, Mac (oh, and Windows) Native UI, shared code











### C# Everywhere - Unity

Industry leading 3d/2d game engine Massively cross platform



### C# Everywhere - .NET Core

Lightweight platform for server/cloud workloads Linux and Mac (oh, and Windows)



## C# Everywhere – One .NET

### .NET Standard

Shared "head" for all .NETs



## Going open – Roslyn

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## Roslyn – C# language engine

There should need to be only

one code base
in the world for understanding C#

- IDEs and editors
- Linters and analysis tools
- Fixing and refactoring
- Source generation
- Scripting and REPLs
- ... Oh, and compiling!



### Going open – other editors

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### OmniSharp – edit C# everywhere

Open source community project

Language server





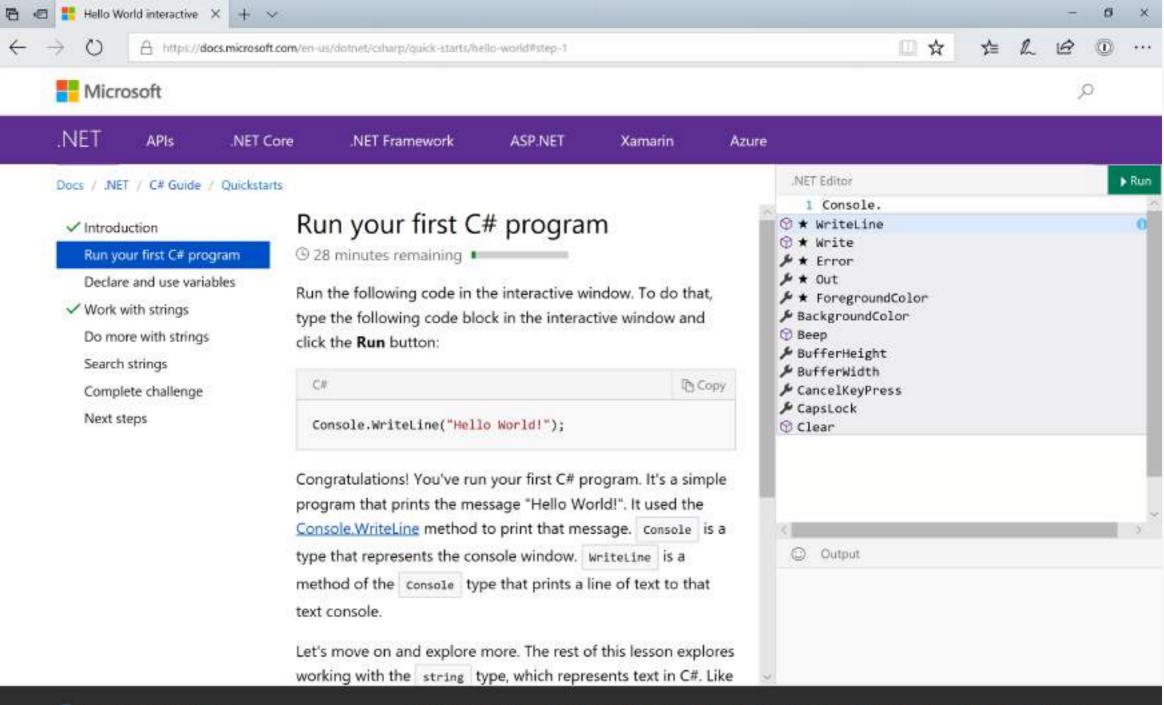












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