

C#

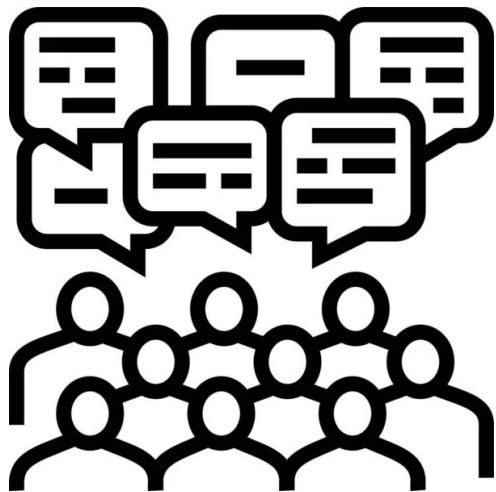
History/Origins

- Microsoft
- Anders Hejlsberg
 - Lead language designer
- Designed for Microsoft's .Net framework
- COOL
 - C-like Object Oriented Language
- Official release in 2000
- Family of C Language
 - C++++ → C#
 - C sharp note in music
- Most recent release in 2024



C# – What is it?

- Microsoft technologies #1 language
 - Most popular language for the .Net
 - SQL Server, Azure, Visual Studio Code
- Practical and purposeful
 - *“Whenever someone goes, why is this feature there? It's not just because I thought it was fun, it's because it solves this, this and this problem.”*
– Anders Hejlsberg
- Thoroughly documented
 - [C# Docs](#)
- Active community
 - of learners and experienced developers alike



Applications/Uses of C#

- Databases
 - ADO.NET and Visual C# .NET primarily
 - Used for Microsoft SQL Servers
- Applications
 - Mobile, desktop, and web
 - Best suited for Microsoft applications, but highly versatile
- C# Web Services
 - Similar script design as ASP.NET
 - Needs UCL for cross-platform use (XML)
- Game Development
 - Highly compatible and efficient
 - Used for A/V and AI components



Would we use C#, and why?

- Heavily dependent on project type and destination
 - More efficient for .NET projects
- High prevalence with game development
 - Backbone for game engines, cross-platform uses
- Database Developer job descriptions
- Top language of software I've used before
 - SQL Server, SQL Azure Database, MSBI stack
- Deeper understanding of interacting with databases beyond SQL queries
 - Create a web API that uses a database



Questions?

