

.NET + C# Workshop

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Basics

- .net and c#
 - <https://versionsof.net/>
 - <https://dotnet.microsoft.com/en-us/download>
- IDE
 - Rider
 - VS Code + C# Dev Kit

Working with the CLI

- doc: <https://learn.microsoft.com/de-de/dotnet/core/tools/dotnet>
- Create files and projects with `dotnet new`
- add a reference or package with `dotnet add`
- Build your code with `dotnet build`
- Run your app with `dotnet run` or `dotnet watch`
`dotnet add`

HandsOn - Querying data with LINQ

Prepared console project "employees_console".

Testing

- Creating a (xunit) test project
- dotnet test
- add it to the solution
- unit test explorer
- writing a first test
- improving test readability with fluentvalidations
- bonus: theories

Implementing APIs

- new webapi
 - minimalapi
 - core
- dependency injection
- configuration

Bonus:

Fix issues