

★ Why .Net

★ Software Development kit : .NET Framework

:- Pre-compiled library files  
with .dll extension.

:- Common language specification (CLS)

:- Common type system (CTS)

:- MSIL : Microsoft Intermediate language

:- JIT

:- GC Algorithm.

:- Common language Runtime (CLR)

mscorlib.dll | System.Private.CoreCLR.dll

:- CSC / VBC vs Roslyn compiler

:- Normal JIT vs RyuJIT

:- either .exe/.dll vs both .exe and .dll

:- solution → .sln : group of projects

cs projects → .csproj  
↳ group of .cs files

:- GAC

# 1. Basics of .NET Core : Datatypes

\* OOP :- 2 days

\* Design Patterns and SOLID Principles

\* Events and Delegates

\* Collections and Generic and  
Generic collection

\* File IO and Serialization

\* Reflection

\* CSharp Features :- 10 ≡

\* LINQ