

DOTNET Notes

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<https://www.udemy.com/course/net-core-with-ms-sql-beginner-to-expert/learn/lecture/34058294>

Week1: C# Crash Course

Intermediate Concepts:	Models NameSpaces Database Connection Config Reading/Writing to files Parsing JSON Simple Model Making
Dotnet new <TemplateType>	Console webapi Gitignore
-n <App Name> or --name <App Name>	
-o <Output Directory> or --output <Output Directory>	
-lang "<Language>" or --language "<Language>"	
variables	Byte Sbyte Ushort Short Int Long Float Decimal String Bool
Data structures	string[], int[], ... List<Type> IEnumerable<Type> int[,], bool[,], ... Dictionary<Type, Type>
Conditions	
Operations	

Week 3

Models	Source Mapping
Namespaces	Where it lives
Database Connection	Dapper Entity Framework
Config	
Dapper	IDbConnection / SqlConnection Query / QuerySingle Execute
Entity Framework	DbContext - Inheritance

Entity Framework	DbContext - Inheritance OnConfiguring - UseSqlServer OnModelCreating DBSet / Entity Interactions DbContext.Model.Add DbContext.SaveChanges DbContext.Model.ToList
Reading/Writing to files	Basic text Reading Logging
Parsing JSON	Deserializing / Serializing
Simple Model Mapping	Automapper Field Renaming JSONAttributeName
JSON	Deserializing Text -> Model Serializing Model -> Text Newtonsoft.Json.Serialization System.Text.Json JsonSerializerOptions - Naming Policy camelCase
Async & Await	Tasks Async Methods