

Reflection: ~~*~~ Read Type metadata at Runtime without attaching / binding ref to our application

→ Intelligense.

~~*~~ We can invoke assemblies dynamically.

→ ORM → Entity framework

↳ U2

Attributes :-

Extra information about
the assembly, modules, entities
OR functionalities to \rightarrow CLR

FW: 1.0 → 2.0 → 3.0 → 3.5 → 4.0
CLR: → 1.0 → 2.0 → 2.0 → 2.0 → 4.0

Linq: Language Integrated Query

C# → Year 2002

1.0 : 2002 ⇒ class, properties, Events and
Delegates, struct

2.0 : 2005 ⇒ Partial class, Generic, Iterator,
Nullable Types, Anonymous methods,
Predicate Delegate

3.6 : 2008 ⇒
→
3.5

- / Collection Initializer
- / Implicit Type,
- / Auto-properties,
- / Object Initializer,
- / Anonymous Types,
- / Lambda Expression,
- / Extension Methods
- / Anonymous Methods

→ LINQ :
Language Integrated Query

- 4.0 : 2010 →
- Parallel Programming
 - Task Parallel Library (TPL)
 - Parallel-for, Parallel-foreach } Parallel - LINQ

✓ - Dynamic Type.

- Named and Optional Parameters

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- 5.0 : 2012 → Async and Await ✓
- 6.0 : 2015 → &" " ! String Interpolation ✓
- 7.0 : 2017 → out variable, Tuples. ✓

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8275006278 →

Class Emp.

{
 p.m - Id
 p.p → EId
 p.m → -Name
 p.p → EName
 p.m → -Address
 p.p → EAdm
 }

Emp empl = new Emp()
 empl.Id =

List < Emp > empl = { empl¹, empl², empl³ }

Database Code

one by one
 record read
 ↓
 map → Emp
 collection
 of emps

Table Employee

Id	Name	Address
1	Kugh	NYC
2	Tom	London
3	John	L.A