



Armen Melkumyan • 1st
Technical / Solutions Architect
1yr •

...

From .Net C# Interview Questions

What's the difference between Select and SelectMany in LINQ?

Answer:

In LINQ, Select and SelectMany are projection operators used to transform collections.

◆ Select:

Transforms each element into a new form.

Typically for one-to-one transformations.

◆ SelectMany:

Projects each element to an IEnumerable<T> and flattens into one sequence.

Ideal for one-to-many transformations.

Powerful with nested collections, flattening them into a single collection.

[#DotNet](#) [#CSharp](#) [#LINQ](#) [#SoftwareDevelopment](#) [#Programming](#)

[#CodingInterview](#) [#TechTips](#)

```
var list = new List<string> { "hello", "world" };

// Select example
var charsCount = list.Select(s => s.Length);
// charsCount = { 5, 5 }

// SelectMany example
var chars = list.SelectMany(s => s.ToCharArray());
// chars = { 'h', 'e', 'l', 'l', 'o', 'w', 'o', 'r', 'l', 'd' }
```

Armen Melkumyan

29

1 comment 1 repost