# **Select Many**

# SelectMany

- ✓ SelectMany is used to project each element of a sequence to an IEnumerable<T> and flattens the resulting sequence into one sequence.
- SelectMany combines records from a sequence of result and convert it into one result.
- ✓ SelectMany comes under Projection category

## Example

```
ing System.Collections.Generic;
ing System.Linq;

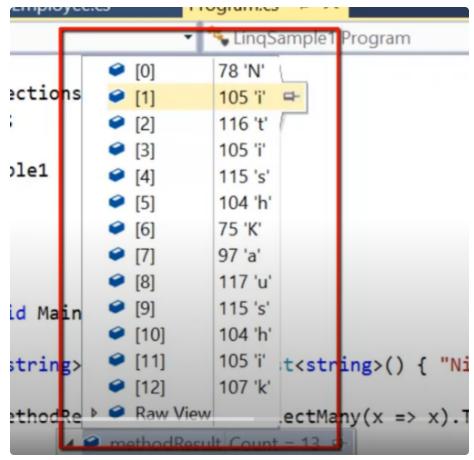
iespace LinqSample1

Oreferences
class Program
{
    Oreferences
    static void Main(string[] args)
    {
        Itist<string> strList = new List<string>() { "Nitish", "kaushik" };

        var methodResult = strList.SelectMany(x => x).ToList();

        Console.ReadLine();
    }
}
```

### **Output**



### There is no select many in query syntax

# Performing it in a object

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```
var dataSource = new List<Employee>()
{
    new Employee(){Id =1, Name = "Tom", Email = "Tom@gmal.com", Programming = new List<string>(){"C#", "PHP", "JAVA" } },
    new Employee(){Id =2, Name = "Kim", Email = "Kim@gmal.com", Programming = new List<string>(){"LINQ", "C#", "MVc" } },
    new Employee(){Id =3, Name = "Harry", Email = "Harry@gmal.com", Programming = new List<string>(){"LINQ", "VB", "SQL" } }
};

var methodSyntax = dataSource.SelectMany(emp => emp.Programming).ToList();

foreach (var item in methodSyntax)
{
    Console.WriteLine("Programming - " + item);
}

Console.ReadLine();
```

### Output

```
"Tom", Programming - C#

"Kim", Programming - JAVA

"Harry Programming - LINQ

Programming - C#

Programming - LINQ

Programming - MVc

Programming - LINQ

Programming - LINQ

Programming - LINQ

Programming - VB

ItaSour

emp.Pr

ToList
```

### In query syntax