

Module 6

LINQ

LINQ

```
private static IEnumerable<int> NumberHigherThanFive(IEnumerable<int> list)
{
    var result = new List<int>();
    foreach (var i in list)
    {
        if (i > 5)
            result.Add(i);
    }
    return result;
}
```

LINQ

```
private static IEnumerable<int> NumberHigherThanFive_Linq(IEnumerable<int> list)
{
    return list.Where(i => i > 5);
}
```

```
private static IEnumerable<string> StarifyList(IEnumerable<int> list)
{
    var result = new List<string>();
    foreach (int i in list)
    {
        result.Add($"*{i}*");
    }
    return result;
}
```

LINQ

```
private static IEnumerable<string> StarifyList_Linq(IEnumerable<int> list)
{
    return list.Select(i => $"*{i}");
}
```

LINQ

```
var result = people
    .Where(p => p.Age > 32)
    .Select(p => $"{p.FirstName} is {p.Age} years old");
```