

Homework

Task.

Use the following code to observe the result in JITted assembly code for **Echo** and **Helper** methods, both for Debug and Release:

```
using System;
namespace Samples
{
    public class Echoer
    {
        public int Echo(string message)
        {
            SomeType c = new SomeType() { Data = message };
            return Helper(c);
        }
        private int Helper(SomeType c) => c.Data.Length;
    }
    public class SomeType
    {
        public string Data;
    }
}
```

Change **SomeType** to be struct. Do you see significant changes in the JITted code? What if **SomeType** is a record? What if it is a record struct (you may need to switch it to the *C# Next: Record structs* branch to use it). What if you disable inlining of **Helper**?