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2-7/2-7_code.cs
 using System;
 using System.Collections;
 using System.Security.Cryptography.X509Certificates;
 class Test{
     public static void Main(){
         int i;
         var mc = new MyClass(10);
         for (i = 0; i < mc.Length; i+=1) {
             mc[i] = i + 1;
         Console.WriteLine(mc.bruh);
         //foreach (var c in mc){
             //Console.WriteLine(c);
         //}
         //Lambda function
         mc.ForEach(v => Console.WriteLine(v));
         //mc.Mutate(v => return_dub(v));
         mc.ForEach(v => Console.WriteLine(v));
     }
     public static double return_dub(double b){
         return b + 1;
     }
 }
 class MyClass : IEnumerable {
     private double[] _data;
     public string bruh = "bruh'";
     public MyClass(int capacity){
         _data = new double[capacity];
     }
     public MyClass() : this(1) {
     public int Length {
         get => _data.Length;
     public double this[int index]{
         get {
             return _data[index];
         // For a property or indexer "value" in the set block has a sppecial meaning
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set => _data[index] = value;
    }
    public IEnumerator GetEnumerator() {
        return new MyClassEnumerator(_data);
    }
    //labmda stuff
    public delegate void ImmutableFunc(double v);
    public void ForEach(ImmutableFunc f){
        int i;
        for(i = 0; i < Length; i+=1) {
            f(_data[i] );
        }
    }
    public delegate double MutableFunc(double v);
    public void Mutate(MutableFunc f){
        int i;
        for (i = 0; i < Length; i+=1){
            _data[i] = f(_data[i]);
        }
    }
}
class MyClassEnumerator : IEnumerator {
    private double[] _dataref;
    private int _pos;
    public MyClassEnumerator(double[] data){
        _dataref = data;
        Reset();
    public void Reset(){
        _{pos} = -1;
    public object Current{
        get => _dataref[_pos];
    public bool MoveNext(){
        _pos += 1;
        return (_pos < _dataref.Length);</pre>
    }
}
```

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