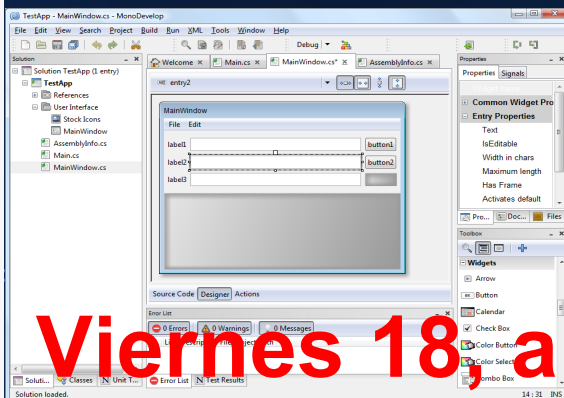


ESEI Dojos



Taller de mono/C# y MonoDevelop

¡Ven y diviértete mientras practicas!



```
public class RomanConverter
{
    private List<RomanSymbol> Romans;

    public RomanConverter()
    {
        Romans = new List<RomanSymbol>();
        AddSymbols();
    }

    private void AddSymbols()
    {
        Romans.Add(new RomanSymbol("C", 100));
        Romans.Add(new RomanSymbol("XC", 90));
        Romans.Add(new RomanSymbol("L", 50));
        Romans.Add(new RomanSymbol("XL", 40));
        Romans.Add(new RomanSymbol("X", 10));
        Romans.Add(new RomanSymbol("IX", 9));
        Romans.Add(new RomanSymbol("V", 5));
        Romans.Add(new RomanSymbol("IV", 4));
        Romans.Add(new RomanSymbol("I", 1));
    }

    public int Convert(string roman)
    {
        RomanSymbol symbol = FindSymbol(roman);
        if (roman.Length == symbol.Code.Length)
        {
            return symbol.Value;
        }

        return symbol.Value + Convert(roman.Substring(symbol.Code.Length));
    }

    private RomanSymbol FindSymbol(string roman)
    {
        RomanSymbol symbol = this.Romans.Where(s => roman.StartsWith(s.Code)).FirstOrDefault();
        if (symbol == null)
        {
            throw new Exception("Could not find symbol");
        }

        return symbol;
    }
}
```

Viernes 18, a las 17h en el Lab. 38