

Please create a C# class named `SimaticString`.

The attached PDF explains the characteristics of `SimaticString` from a customer's perspective. Your implementation should conform to the documented behavior.

Your class should include the following public methods and properties, as well as any private members that you wish:

```
public class SimaticString
{
    public SimaticString(int maxLength);
    public SimaticString(SimaticString s);

    public void Set(byte[] s);
    public void Set(string s);
    public void Set(SimaticString s);

    public int Length{get;}
    public int MaxLength{get;}

    public void Reverse();

    public string ToString();
    public byte[] GetBytes();
}
```

*You do **not** need to support special character handling such as \$N \$\$ and other special characters.*

Please bring your written, compilable code.

Please be prepared to present and discuss your implementation. You will be given 5 minutes to present your work, with discussion following.

After the presentation, plan for the following discussion topics:

- any questions you have,
- challenges encountered during implementation,
- assumptions made due to imprecise requirements,
- verification and validation strategies
- future enhancements/extensions