```csharp
namespace StringExamplesFormApplication
{
    public partial class StringExamplesForm : Form
    {
        public StringExamplesForm()
        {
            InitializeComponent();
        } //end constructor

        private string reverseString(string s)
        {
            string reversedS = "";

            for (int i = 0; i < s.Length; i++)
            {
                reversedS = s.Substring(i, 1) + reversedS;
            } //end for

            return reversedS;
        } //end method

        private void reverseStringButton_Click(object sender, EventArgs e)
        {
            reversedStringTextBox.Text = reverseString(stringTextBox.Text);
        } //end event handler method

    } //end class
} //end namespace
```

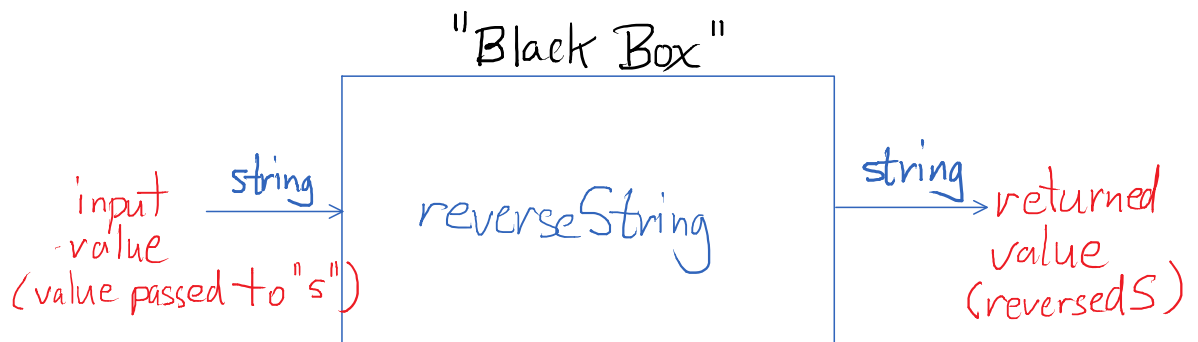return type → type of data "output by the method"

name of method (function)

parameter (formal parameter)
— variable that "receives" information needed by the method
(in this case the method takes a string input)

declaration of a LOCAL variable (private and temporary)

call of method

value returned ("output") by method

argument — value passed to the parameter "s"

"Black Box"

input value (value passed to "s") → string → reverseString → string → returned value (reversedS)

string
credit
card
number } → Credit Card Validator → Valid? (yes/no)
→ Credit card company } Big Problem

string
credit
card
→ What is the checksum? → int integer value

if wrong, return "unknown/invalid card type"

string
credit
card # → What is the company? → string company name } returns company name if BOTH length and prefix are correct