

Visual Studio Basic



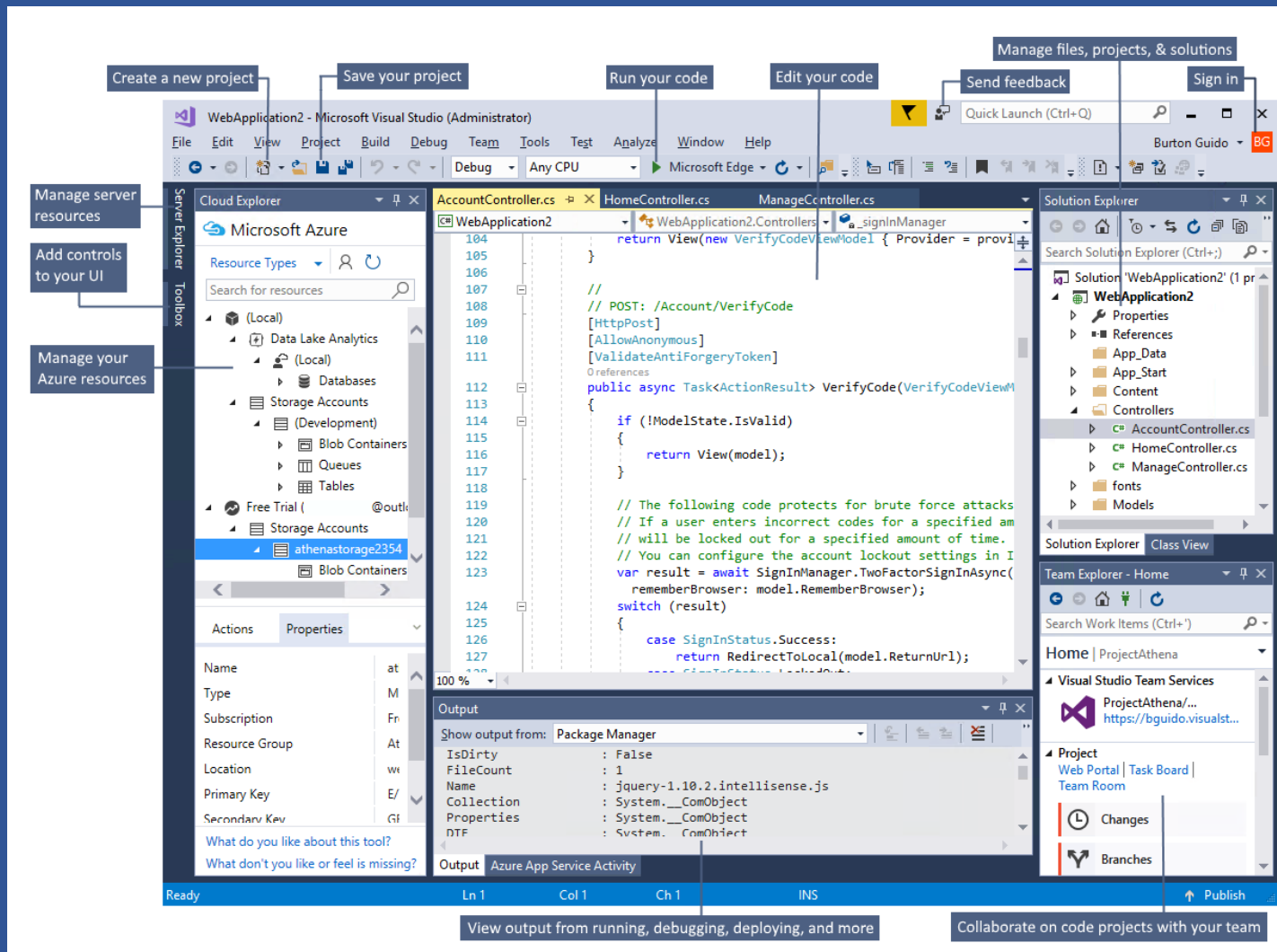
Visual Studio Community 2017



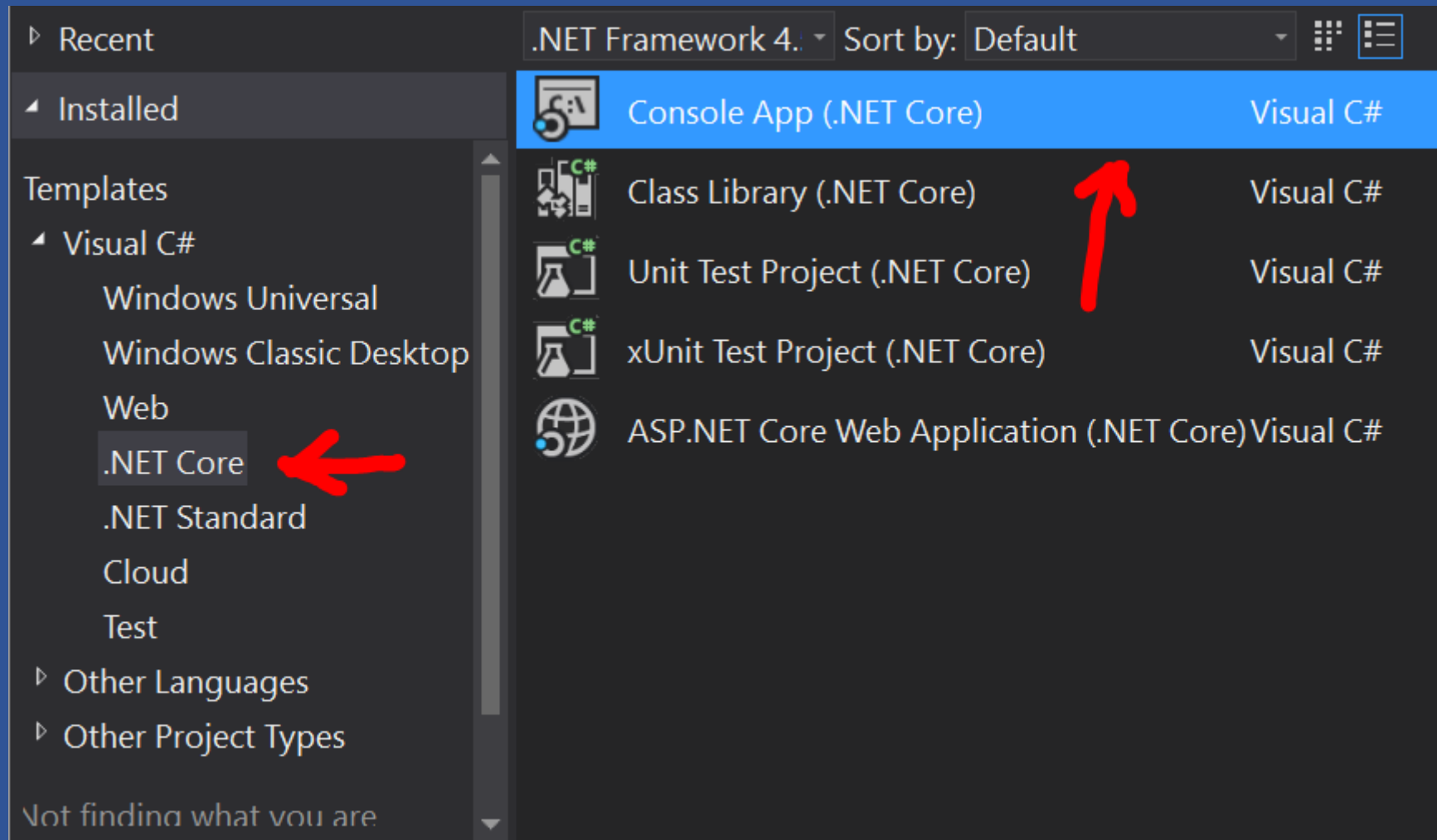
Visual Studio IDE

Fully-featured integrated development environment (IDE)
for Android, iOS, Windows, web, and cloud

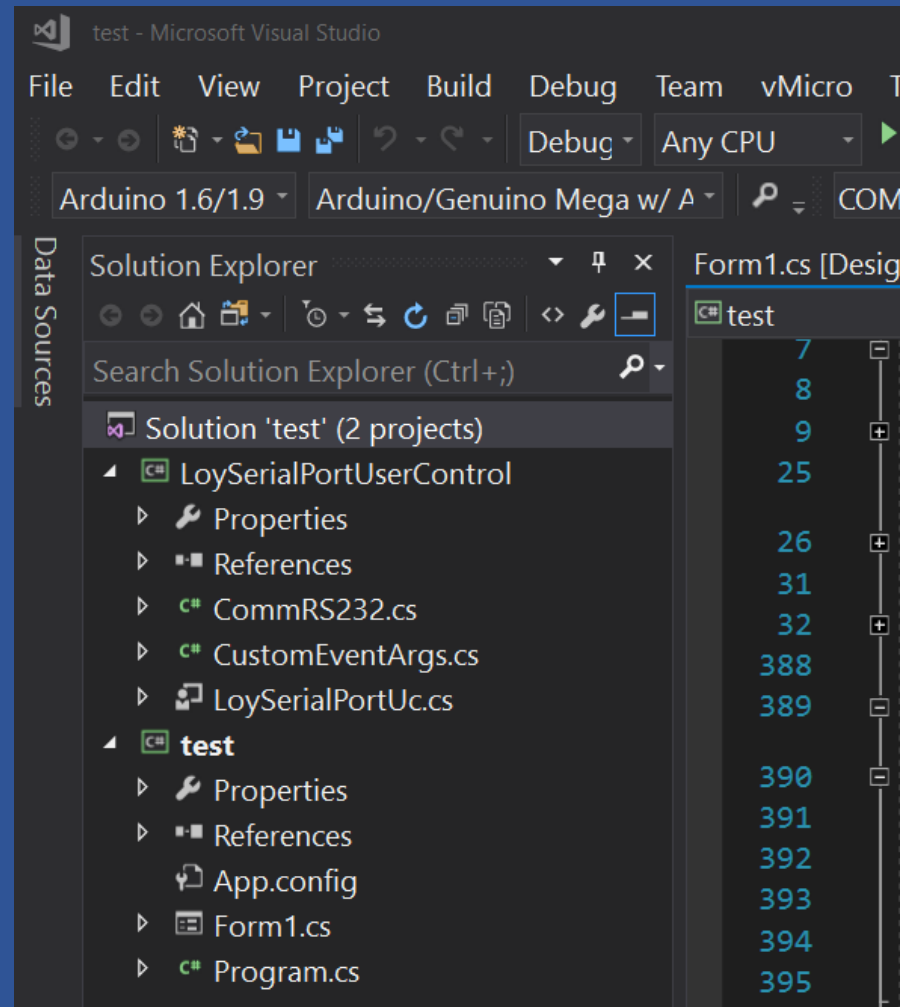
Tour of the IDE



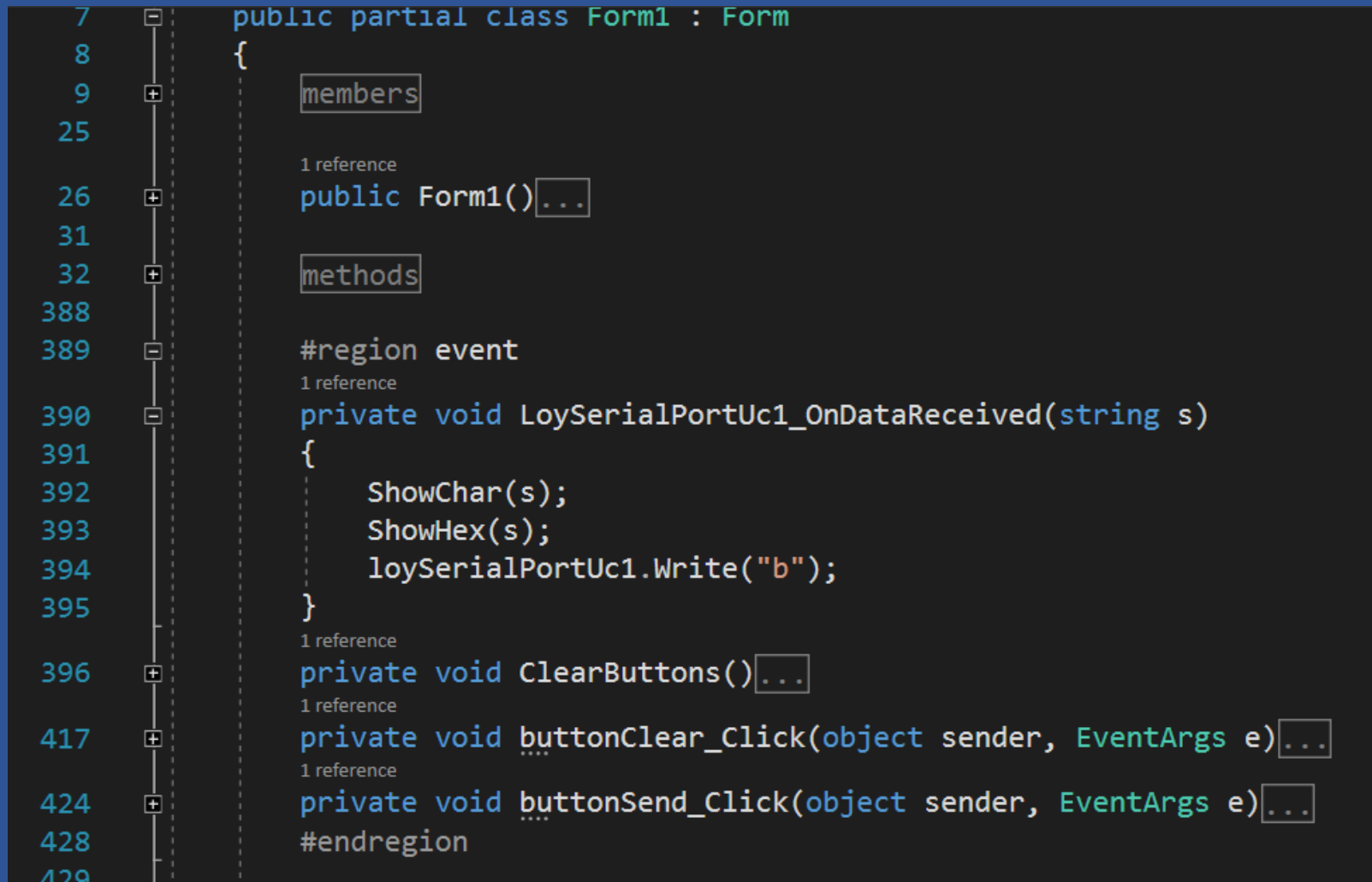
Create New Project



Solution Explorer



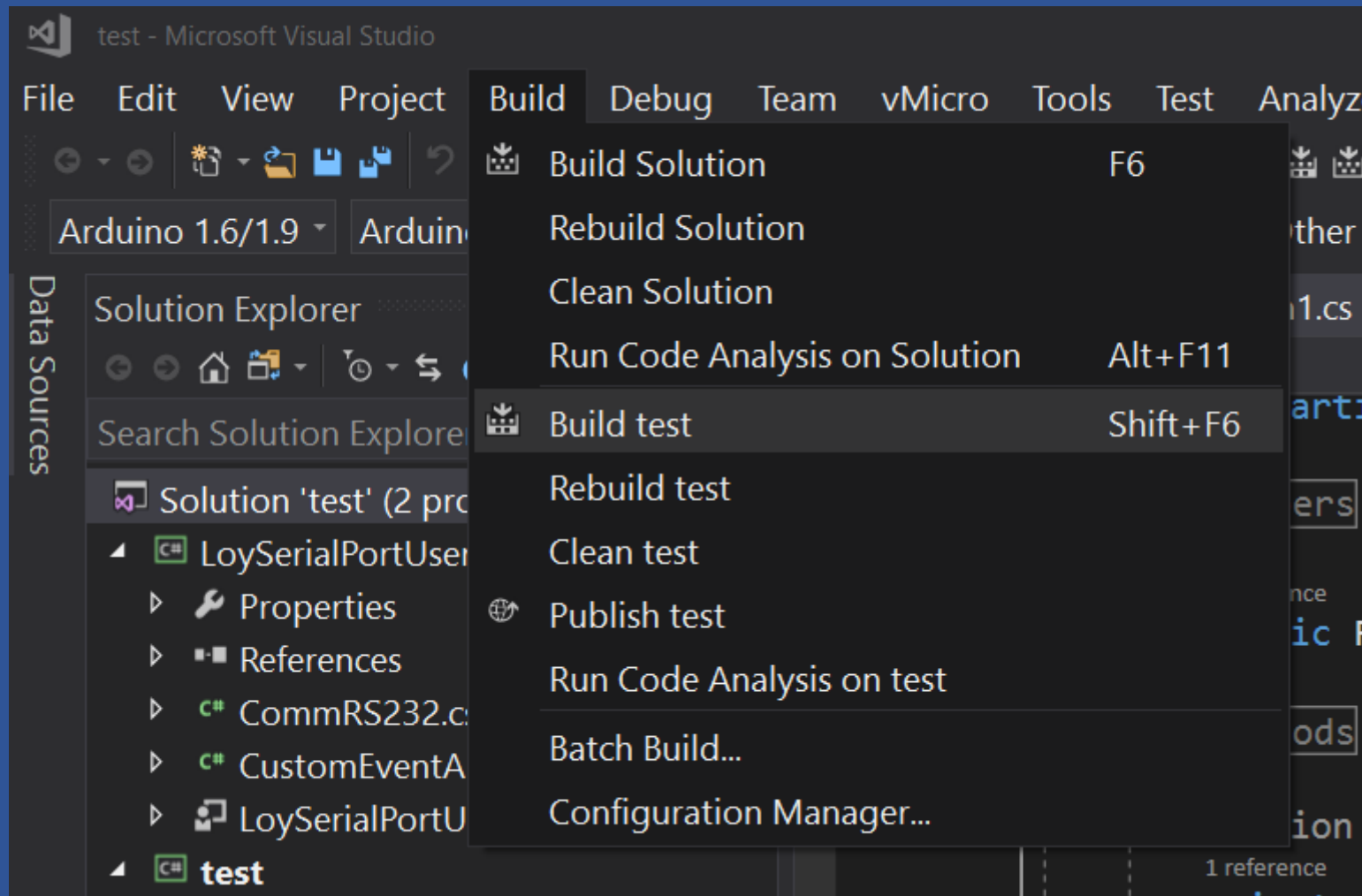
Code Entering



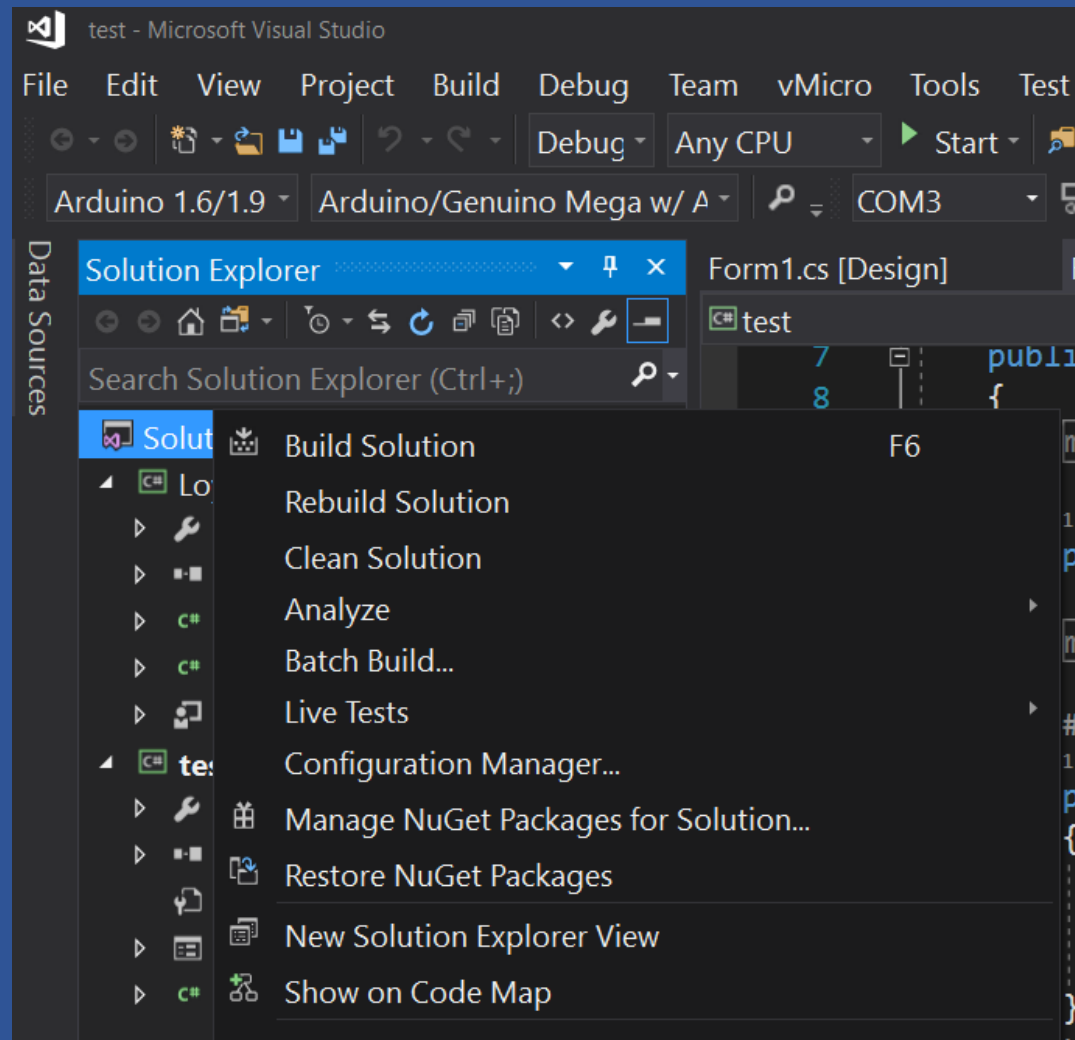
The screenshot shows a Visual Studio code editor with a C# file named `Form1`. The code is partially collapsed, with expand/collapse icons on the left margin. The code is as follows:

```
7 public partial class Form1 : Form
8 {
9     members
25
26     1 reference
    public Form1()...
31
32     methods
388
389     #region event
390     1 reference
    private void LoySerialPortUc1_OnDataReceived(string s)
391     {
392         ShowChar(s);
393         ShowHex(s);
394         loySerialPortUc1.Write("b");
395     }
396     1 reference
    private void ClearButtons()...
417     1 reference
    private void buttonClear_Click(object sender, EventArgs e)...
424     1 reference
    private void buttonSend_Click(object sender, EventArgs e)...
428     #endregion
429 }
```

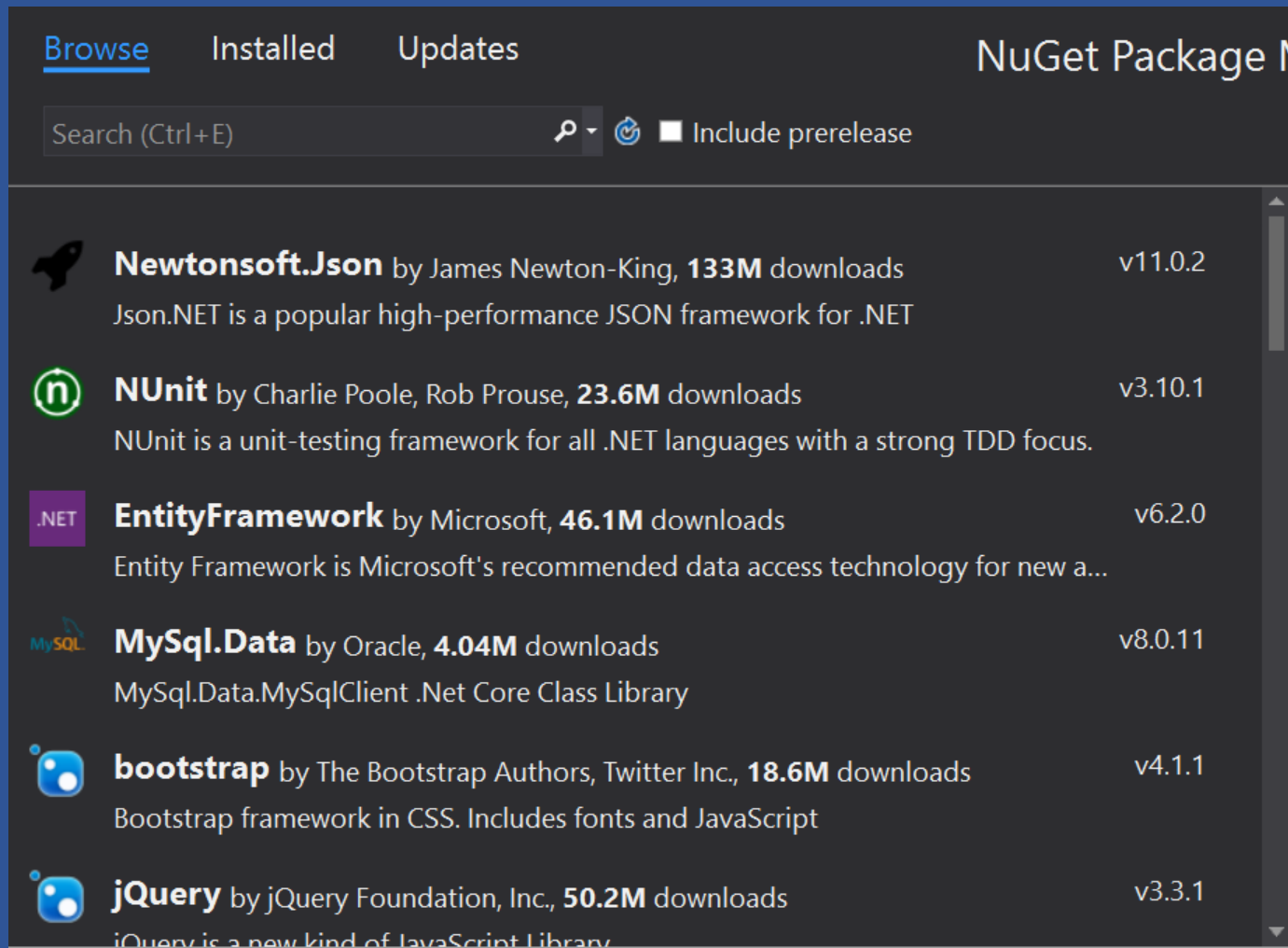
Building program



Managing Solution / Project



Managing Nuget package



Excurses

1. Create a New project
2. Rename project / Solution
3. Build program and watch Output message
4. Run program and examine the result
5. Find the description of the `System.Console` class in the standard .NET API documentation (MSDN Library).
6. Find the description of the `System.Console.WriteLine()` method and its different possible parameters in the MSDN Library.

7. Compile and execute the sample program from this chapter using the command prompt (the console) and Visual Studio.
8. Modify the sample program to print a different greeting, for example "Good Day!".
9. Write a console application that prints your first and last name on the console.
10. Write a program that prints the following numbers on the console 1, 101, 1001, each on a new line.
11. Write a program that prints on the console the current date and time.
12. Write a program that prints the square root of 12345.