## C# Documentation with XML

C# supports in-code comments

// will comment out a single line

/\* will comment out a block of code over several lines \*/

C# also supports the automatic creation of a separate xml file that describes the code and what is going on. This is the C# equivalent of JavaDoc

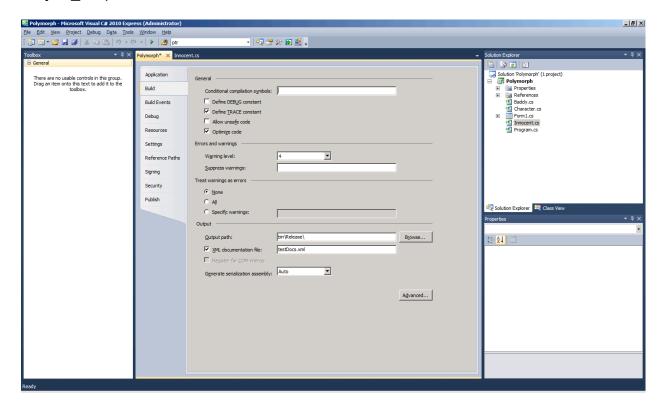
/// is an xml comment section

Here are some useful built in tags that can be used within the xml comments sections.

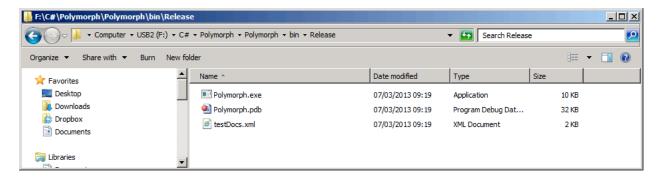
```
/// <summary>
/// Details of what is going on in this code block
/// </summary>

/// <param name="s">What does s do?</param>
/// <returns>Describe return value of this method</returns>
```

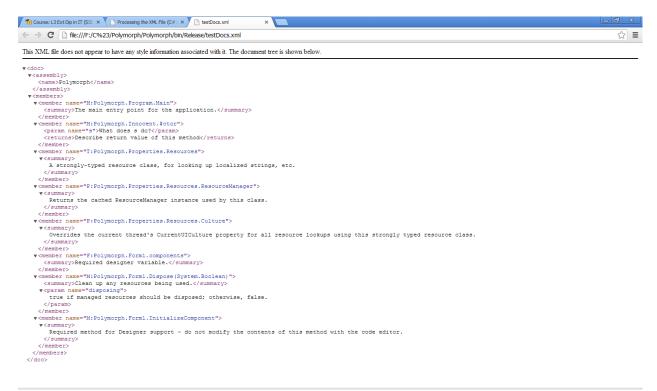
To output the xml when the project is built an option has to be changed on the Project\_Properties window within the Build tab.



Here the xml file will be named testDocs.html and will be in the folder bin\release of the project.



The xml file contains a lot of boilerplate text that could be removed later. It will load in any browser although it will look better if <style> code is written on the web page to lay it out.



The same document with the boilerplate xml removed.

```
The Course: L3 Ext Dip in IT (S51: × ) testDocs.xml
← → C 🗋 file:///F:/C%23/Polymorph/Polymorph/bin/Release/testDocs.xml
                                                                                                                                      ☆ =
This XML file does not appear to have any style information associated with it. The document tree is shown below
▼<doc>
 ▼<assembly>
    <name>Polymorph</name>
   </assembly>
 ▼<members>
   ▼<member name="M:Polymorph.Program.Main">
      <summary>The main entry point for the application.</summary>
   ▼<member name="M:Polymorph.Innocent.#ctor">
      <param name="s">What does s do?</param>
       <returns>Describe return value of this method</returns>
    </member>
   </members>
 </doc>
```