

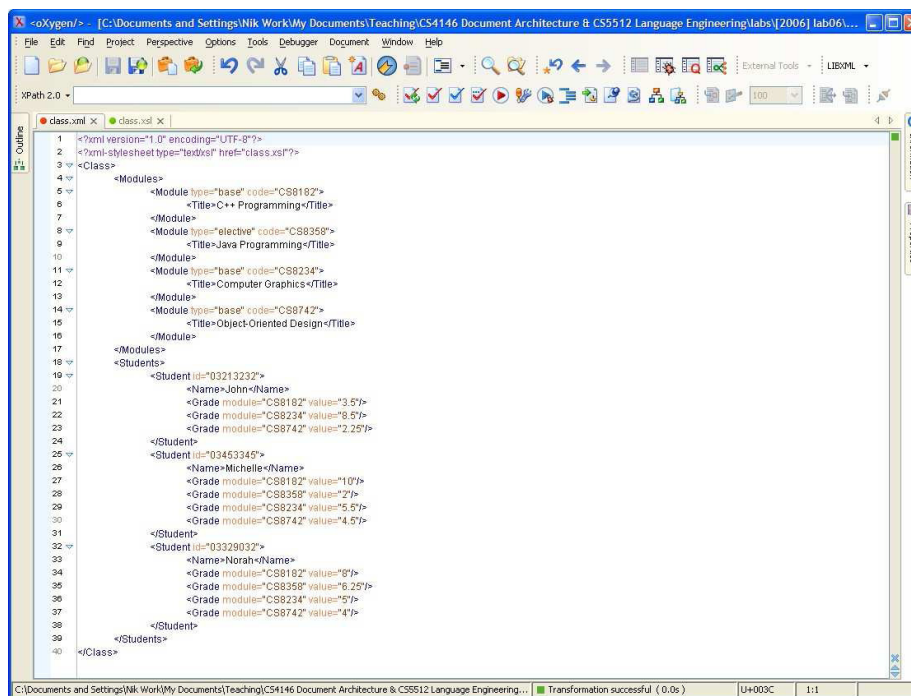
# XPath

**Before doing anything else please make sure you have looked through the XPath lecture slides!**

**Step 1.** Load <http://www.zvon.org/xxl/XPathTutorial/General/examples.html> and go through the XPath tutorial. Experiment with the XML files and the XPath expressions in Oxygen.

**Step 2.** Download the file `class.xml` from the module's website.

**Step 3.** Open `class.xml` with Oxygen. Note the input field XPath 2.0. This is where you can type in XPath expressions and see what parts of the XML documents they refer to.



**Tasks.** Starting from the root of the XML tree, write XPath expressions which select:

- All grade elements
- The third grade element of the second student.
- The last module element.
- All element nodes which are siblings of the second module element and are placed below it in the XML document.
- All element and text nodes which are siblings of the second module element and are placed below it in the XML document.
- All element and text nodes preceding the first grade element of the first student.
- The parent of the second student element.
- All ancestors of the second student element.
- The value attributes of the first grade element for each student.
- All attributes of the first grade element for each student.