XML

11-16-2011

Opening Discussion

- Do you have any questions about the quiz?

- Minute essay comments:

  - Turn in assignment #3 before class on Monday after Thanksgiving.

  - Discrete enrollment.

  - In other languages XML is more of a pain, but still not as bad as writing your own parser.

  - Am I a Mac or Windows person?

  - General usefulness of XML.

  - Approach for flat text → XML.

More

- XML in browsers.
- Fraction of sites using XHTML?
- Why does Scala reorder attributes? Should never cause problems.

Using \ and \\

- Use the \ operation on a node to search for the occurrences of something at the top level.

- The second argument is a string.

  - Normal string searches for tags with that label.

  - If the string starts with @ it searches for attributes.

- Use \\ to search deeply.

Writing XML

- We saw you can put XML directly into Scala code.
- If you put in curly braces, you can next Scala code in the XML.
  - <student name={name}>
  -     {grades.map(g => <grade value={g.toString}/>)}
  - </student>
  - Properties much be strings.
- XML.save(filename:String, node:Node)

Code

- Let's keep working with the code for storing student data in XML.

Minute Essay

- When would you not want to use XML?