Medii de programare

Lecture 3
Outline

- Reflection (cont.)
- XML processing

XML (EXtensible Markup Language) processing

- store and transport data
- human and machine readable

Well formed XML: start+end tag, self-closing tag, quotes or apostrophes for attribute values, no tag overlap, case sensitive, compliant with the declared character encoding
Valid XML: DTD, XML Schema, RELAX NG

Java XML API
```
javax.xml.parsers
org.w3c.dom
org.xml.sax
javax.xml.transform
```

DOM, SAX

xml
xmldomdiagram

Reflection

- a language's ability to inspect and dynamically call classes, methods, attributes at runtime
- applications: IDEs, debuggers, testing frameworks etc

```
java.lang.Class
java.lang.reflect
```

reflectionclassdiagram
reflection