



PÉCSI TUDOMÁNYEGYETEM  
TERMÉSZETTUDOMÁNYI KAR

# "Methodology of Programming I"

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PTE

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# **XML Processing**

XML:

XML (Extensible Markup Language) is a very popular simple text-based language that can be used as a mode of communication between different applications.

It is considered as a standard means to transport and store data.

## XML Features:

- XML is a tag based language like HTML.
- You can define your own tags which is why it is called extensible language.
- XML elements are case sensitive.
- The only reserved word you cannot use in XML is XML (All case variations).
- XML names must start with a letter or underscore and cannot contain white spaces.

## XML Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<class id="11">
  <name lang="eng">Methodology of Programming I</name>
  <students>
    <student>
      <first_name>Tom</first_name>
      <dob>2000-11-20</dob>
      <major>Computer Science</major>
    </student>
    <student>
      <first_name >Sally< first_name>
      <dob>2001-09-01</dob>
      <major>Computer Science</major>
    </student>
  </students>
</class>
```

The Java API for XML Processing (JAXP) is for processing XML data using applications written in the Java programming language.

JAXP allows you to use any XML-compliant parser from within your application.

XML Parser provides a way to access or modify data in an XML document.

Commonly used XML parsers are: DOM, SAX, JDOM, StAX, JAXB.

## References:

<https://docs.oracle.com/javase/tutorial/tutorialLearningPaths.html>