XML::Xerces Sample: SAX2Count

Table of contents

1. Sample: SAX2Count

1.1. SAX2Count

SAX2Count is the simplest application that counts the elements and characters of a given XML file using the (event based) SAX2 API.

1.1.1. Running SAX2Count

The SAX2Count sample parses an XML file and prints out a count of the number of elements in the file. To run SAX2Count, enter the following

```
perl SAX2Count.pl <XML File>
```

The following parameters may be set from the command line

```
Usage:
    perl SAX2Count.pl [options] <XML file | List file>

This program invokes the SAX2XMLReader, and then prints the
number of elements, attributes, spaces and characters found
in each XML file, using SAX2 API.

Options:
    -l              Indicate the input file is a List File that has a list of
xml files.
                    Default to off (Input file is an XML file).
    -v=xxx          Validation scheme [always | never | auto*].
    -n              Enable namespace processing. Defaults to off.
    -s              Ensable schema processing. Defaults to off.

    -h              Show this help.

  * = Default if not provided explicitly.
```

-v=always will force validation
-v=never will not use any validation
-v=auto will validate if a DOCTYPE declaration or a schema declaration is present in the XML document

Here is a sample output from SAX2Count

```
cd samples
perl SAX2Count.pl -v=always personal.xml
personal.xml: 60 ms (37 elems, 12 attrs, 134 spaces, 134 chars)
```

Running SAX2Count with the validating parser gives a different result because ignorable white-space is counted separately from regular characters.

```
perl SAX2Count.pl -v=never personal.xml
```

```
personal.xml: 10 ms (37 elems, 12 attrs, 0 spaces, 268 chars)
```

Note that the sum of spaces and characters in both versions is the same.

Note:

The time reported by the program may be different depending on your machine processor.