

XML::Xerces Sample: SAXCount

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1. Sample: SAXCount

1.1. SAXCount

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

1.1.1. Running SAXCount

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

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

The following parameters may be set from the command line

Usage:

```
perl SAXCount.pl [options] <XML file | List file>
```

This program invokes the SAX Parser, and then prints the number of elements, attributes, spaces and characters found in each XML file, using SAX 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         Enable 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 SAXCount

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

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

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

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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.