

XML::Xerces Sample: DOMPrint

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1. Sample: DOMPrint

1.1. DOMPrint

DOMPrint parses an XML file, constructs the DOM tree, and invokes DOMWriter::writeNode() to serialize the resultant DOM tree back to XML stream.

1.1.1. Running DOMPrint

The DOMPrint sample parses an XML file, using either a validating or non-validating DOM parser configuration, builds a DOM tree, and then invokes DOMWriter::writeNode() to serialize the resultant DOM tree. To run DOMPrint, enter the following:

```
perl DOMPrint.pl <XML file>
```

The following parameters may be set from the command line

```
Usage:
perl DOMPrint.pl [options] <XML file>

This program invokes the DOM parser, and builds the DOM tree
It then asks the DOMWriter to serialize the DOM tree.

Options:
-e          create entity reference nodes. Default is no expansion.
-v=xxx     Validation scheme [always | never | auto*].
-n         Enable namespace processing. Default is off.
-s         Enable schema processing. Default is off.

-h         Show this help
* = Default if not provided explicitly.

The parser has intrinsic support for the following encodings:\n"
UTF-8, USASCII, ISO8859-1, UTF-16[BL]E, UCS-4[BL]E,\n"
WINDOWS-1252, IBM1140, IBM037, IBM1047.\n"
```

-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 DOMPrint

```
cd samples
perl DOMPrint.pl -v=always personal.xml

<?xml version="1.0" encoding="iso-8859-1"?>
<!DOCTYPE personnel SYSTEM "personal.dtd">
```

```
<!-- @version: -->
<personnel>

<person id="Big.Boss">
  <name><family>Boss</family> <given>Big</given></name>
  <email>chief@foo.com</email>
  <link subordinates="one.worker two.worker three.worker
                    four.worker five.worker"></link>
</person>

<person id="one.worker">
  <name><family>Worker</family> <given>One</given></name>
  <email>one@foo.com</email>
  <link manager="Big.Boss"></link>
</person>

<person id="two.worker">
  <name><family>Worker</family> <given>Two</given></name>
  <email>two@foo.com</email>
  <link manager="Big.Boss"></link>
</person>

<person id="three.worker">
  <name><family>Worker</family> <given>Three</given></name>
  <email>three@foo.com</email>
  <link manager="Big.Boss"></link>
</person>

<person id="four.worker">
  <name><family>Worker</family> <given>Four</given></name>
  <email>four@foo.com</email>
  <link manager="Big.Boss"></link>
</person>

<person id="five.worker">
  <name><family>Worker</family> <given>Five</given></name>
  <email>five@foo.com</email>
  <link manager="Big.Boss"></link>
</person>

</personnel>
```

Note:

DOMPrint does not reproduce the original XML file. DOMPrint and SAXPrint produce different results because of the way the two APIs store data and capture events.