

JAVA DOM4J PARSER - CREATE XML DOCUMENT

http://www.tutorialspoint.com/java_xml/java_dom4j_create_document.htm

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Demo Example

Here is the XML we need to create:

```
<?xml version="1.0" encoding="UTF-8"?>
<cars>
  <supercars company="Ferrari">
    <carname type="formula one">Ferrari 101</carname>
    <carname type="sports">Ferrari 202</carname>
  </supercars>
</cars>
```

Demo Example:

CreateXmlFileDemo.java

```
package com.tutorialspoint.xml;

import java.io.IOException;
import java.io.UnsupportedEncodingException;

import org.dom4j.Document;
import org.dom4j.DocumentHelper;
import org.dom4j.Element;
import org.dom4j.io.OutputFormat;
import org.dom4j.io.XMLWriter;

public class DOM4JCreateXMLDemo {
    public static void main(String[] args) {
        try {
            Document document = DocumentHelper.createDocument();
            Element root = document.addElement( "cars" );
            Element supercarElement= root.addElement("supercars")
                .addAttribute("company", "Ferrari");

            supercarElement.addElement("carname")
                .addAttribute("type", "Ferrari 101")
                .addText("Ferrari 101");

            supercarElement.addElement("carname")
                .addAttribute("type", "sports")
                .addText("Ferrari 202");

            // Pretty print the document to System.out
            OutputFormat format = OutputFormat.createPrettyPrint();
            XMLWriter writer;
            writer = new XMLWriter( System.out, format );
            writer.write( document );
        } catch (UnsupportedEncodingException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

This would produce the following result:

```
<?xml version="1.0" encoding="UTF-8"?>
<cars>
  <supercars company="Ferrari">
    <carname type="formula one">Ferrari 101</carname>
```

```
<carname type="sports">Ferrari 202</carname>
</supercars>
</cars>
```