

JAVA DOM PARSER - CREATE XML DOCUMENT

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

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Demo Example

Here is the XML we need to create:

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<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 javax.xml.parsers.DocumentBuilderFactory;
import javax.xml.parsers.DocumentBuilder;
import javax.xml.transform.Transformer;
import javax.xml.transform.TransformerFactory;
import javax.xml.transform.dom.DOMSource;
import javax.xml.transform.stream.StreamResult;
import org.w3c.dom.Attr;
import org.w3c.dom.Document;
import org.w3c.dom.Element;
import java.io.File;

public class CreateXmlFileDemo {

    public static void main(String argv[]) {

        try {
            DocumentBuilderFactory dbFactory =
                DocumentBuilderFactory.newInstance();
            DocumentBuilder dBuilder =
                dbFactory.newDocumentBuilder();
            Document doc = dBuilder.newDocument();
            // root element
            Element rootElement = doc.createElement("cars");
            doc.appendChild(rootElement);

            // supercars element
            Element supercar = doc.createElement("supercars");
            rootElement.appendChild(supercar);

            // setting attribute to element
            Attr attr = doc.createAttribute("company");
            attr.setValue("Ferrari");
            supercar.setAttributeNode(attr);

            // carname element
            Element carname = doc.createElement("carname");
            Attr attrType = doc.createAttribute("type");
            attrType.setValue("formula one");
            carname.setAttributeNode(attrType);
            carname.appendChild(
                doc.createTextNode("Ferrari 101"));
            supercar.appendChild(carname);

            Element carname1 = doc.createElement("carname");
            Attr attrType1 = doc.createAttribute("type");
            attrType1.setValue("sports");
```

```

    carname1.setAttributeNode(attrType1);
    carname1.appendChild(
    doc.createTextNode("Ferrari 202"));
    supercar.appendChild(carname1);

    // write the content into xml file
    TransformerFactory transformerFactory =
    TransformerFactory.newInstance();
    Transformer transformer =
    transformerFactory.newTransformer();
    DOMSource source = new DOMSource(doc);
    StreamResult result =
    new StreamResult(new File("C:\\cars.xml"));
    transformer.transform(source, result);
    // Output to console for testing
    StreamResult consoleResult =
    new StreamResult(System.out);
    transformer.transform(source, consoleResult);
} catch (Exception e) {
    e.printStackTrace();
}
}
}

```

This would produce the following result:

```

<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<cars><supercars company="Ferrari">
<carname type="formula one">Ferrari 101</carname>
<carname type="sports">Ferrari 202</carname>
</supercars></cars>

```