

JAVA STAX PARSER - CREATE XML DOCUMENT

http://www.tutorialspoint.com/java_xml/java_stax_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:

StAXCreateXMLDemo.java

```
package com.tutorialspoint.xml;

import java.io.IOException;
import java.io.StringWriter;

import javax.xml.stream.XMLOutputFactory;
import javax.xml.stream.XMLStreamException;
import javax.xml.stream.XMLStreamWriter;

public class StAXCreateXMLDemo {
    public static void main(String[] args) {
        try {
            StringWriter stringWriter = new StringWriter();

            XMLOutputFactory xMLOutputFactory = XMLOutputFactory.newInstance();
            XMLStreamWriter xMLStreamWriter =
xMLOutputFactory.createXMLStreamWriter(stringWriter);

            xMLStreamWriter.writeStartDocument();
            xMLStreamWriter.writeStartElement("cars");

            xMLStreamWriter.writeStartElement("supercars");
            xMLStreamWriter.writeAttribute("company", "Ferrari");

            xMLStreamWriter.writeStartElement("carname");
            xMLStreamWriter.writeAttribute("type", "formula one");
            xMLStreamWriter.writeCharacters("Ferrari 101");
            xMLStreamWriter.writeEndElement();

            xMLStreamWriter.writeStartElement("carname");
            xMLStreamWriter.writeAttribute("type", "sports");
            xMLStreamWriter.writeCharacters("Ferrari 202");
            xMLStreamWriter.writeEndElement();

            xMLStreamWriter.writeEndElement();
            xMLStreamWriter.writeEndDocument();

            xMLStreamWriter.flush();
            xMLStreamWriter.close();

            String xmlString = stringWriter.getBuffer().toString();

            stringWriter.close();

            System.out.println(xmlString);

        } catch (XMLStreamException e) {
            e.printStackTrace();
        }
    }
}
```

```
    } catch (IOException e) {  
        // TODO Auto-generated catch block  
        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>
```