

JAVA JDOM PARSER - MODIFY XML DOCUMENT

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

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Demo Example

Here is the input text file we need to modify:

```
<?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>
  <luxurycars company="Benteley">
    <carname>Benteley 1</carname>
    <carname>Benteley 2</carname>
    <carname>Benteley 3</carname>
  </luxurycars>
</cars>
```

Demo Example:

ModifyXmlFileDemo.java

```
import java.io.File;
import java.io.IOException;
import java.util.List;

import org.jdom2.Attribute;
import org.jdom2.Document;
import org.jdom2.Element;
import org.jdom2.JDOMException;
import org.jdom2.input.SAXBuilder;
import org.jdom2.output.Format;
import org.jdom2.output.XMLOutputter;

public class ModifyXMLFileDemo {
    public static void main(String[] args) {
        try {
            File inputFile = new File("input.txt");
            SAXBuilder saxBuilder = new SAXBuilder();
            Document document = saxBuilder.build(inputFile);
            Element rootElement = document.getRootElement();

            //get first supercar
            Element supercarElement = rootElement.getChild("supercars");

            // update supercar attribute
            Attribute attribute = supercarElement.getAttribute("company");
            attribute.setValue("Lamborghini");

            // loop the supercar child node
            List<Element> list = supercarElement.getChildren();
            for (int temp = 0; temp < list.size(); temp++) {
                Element carElement = list.get(temp);
                if("Ferrari 101".equals(carElement.getText())){
                    carElement.setText("Lamborghini 001");
                }
                if("Ferrari 202".equals(carElement.getText())){
                    carElement.setText("Lamborghini 002");
                }
            }

            //get all supercars element
```

```

        List<Element> supercarslist = rootElement.getChildren();
        for (int temp = 0; temp < supercarslist.size(); temp++) {
            Element tempElement = supercarslist.get(temp);
            if("luxurycars".equals(tempElement.getName())){
                rootElement.removeContent(tempElement);
            }
        }

        XMLOutputter xmlOutput = new XMLOutputter();

        // display xml
        xmlOutput.setFormat(Format.getPrettyFormat());
        xmlOutput.output(document, System.out);
    } catch (JDOMException e) {
        e.printStackTrace();
    } catch (IOException e) {
        e.printStackTrace();
    }
}
}

```

This would produce the following result:

```

<?xml version="1.0" encoding="UTF-8"?>
<cars>
  <supercars company="Lamborghini">
    <carname type="formula one">Lamborghini 001</carname>
    <carname type="sports">Lamborghini 002</carname>
  </supercars>
</cars>

```