

JAVA DOM4J PARSER - MODIFY XML DOCUMENT

http://www.tutorialspoint.com/java_xml/java_dom4j_modify_document.htm

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Demo Example

Here is the XML we need to modify:

```
<?xml version="1.0"?>
<class>
  <student rollno="393">
    <firstname>dinkar</firstname>
    <lastname>kad</lastname>
    <nickname>dinkar</nickname>
    <marks>85</marks>
  </student>
  <student rollno="493">
    <firstname>Vaneet</firstname>
    <lastname>Gupta</lastname>
    <nickname>vinni</nickname>
    <marks>95</marks>
  </student>
  <student rollno="593">
    <firstname>jasvir</firstname>
    <lastname>singn</lastname>
    <nickname>jazz</nickname>
    <marks>90</marks>
  </student>
</class>
```

Demo Example:

DOM4jModifyXMLDemo.java

```
package com.tutorialspoint.xml;

import java.io.File;
import java.io.IOException;
import java.io.UnsupportedEncodingException;
import java.util.Iterator;
import java.util.List;

import org.dom4j.Document;
import org.dom4j.DocumentException;
import org.dom4j.Element;
import org.dom4j.Node;
import org.dom4j.io.OutputFormat;
import org.dom4j.io.SAXReader;
import org.dom4j.io.XMLWriter;

public class DOM4jModifyXMLDemo {
    public static void main(String[] args) {
        try {
            File inputFile = new File("input.txt");
            SAXReader reader = new SAXReader();
            Document document = reader.read( inputFile );

            Element classElement = document.getRootElement();

            List<Node> nodes = document.selectNodes("/class/student[@rollno='493']" );
            for (Node node : nodes) {
                Element element = (Element)node;
                Iterator<Element> iterator=element.elementIterator("marks");
                while(iterator.hasNext()){
                    Element marksElement=(Element)iterator.next();
                    marksElement.setText("80");
                }
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

```

    }
}

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

```

This would produce the following result:

```

<?xml version="1.0" encoding="UTF-8"?>
<class>
  <student rollno="393">
    <firstname>dinkar</firstname>
    <lastname>kad</lastname>
    <nickname>dinkar</nickname>
    <marks>85</marks>
  </student>
  <student rollno="493">
    <firstname>Vaneet</firstname>
    <lastname>Gupta</lastname>
    <nickname>vinni</nickname>
    <marks>80</marks>
  </student>
  <student rollno="593">
    <firstname>jasvir</firstname>
    <lastname>singn</lastname>
    <nickname>jazz</nickname>
    <marks>90</marks>
  </student>
</class>

```