

Java XML Parser

DOM XML Parser Example

```
<?xml version="1.0"?>
<company>
    <staff id="1001">
        <firstname>John</firstname>
        <lastname>Right kim</lastname>
        <nickname>JR</nickname>
        <salary>100000</salary>
    </staff>
    <staff id="2001">
        <firstname>Brian</firstname>
        <lastname>Adams</lastname>
        <nickname>BR</nickname>
        <salary>200000</salary>
    </staff>
</company>
```

ReadXMLFile.java

```
import javax.xml.parsers.DocumentBuilderFactory;
import javax.xml.parsers.DocumentBuilder;
import org.w3c.dom.Document;
import org.w3c.dom.NodeList;
import org.w3c.dom.Node;
import org.w3c.dom.Element;
import java.io.File;

public class ReadXMLFile {
```

Java XML Parser

```
public static void main(String argv[]) {  
  
    try {  
  
        File fXmlFile = new File("abc.xml");  
        DocumentBuilderFactory dbFactory =  
DocumentBuilderFactory.newInstance();  
        DocumentBuilder dBuilder =  
dbFactory.newDocumentBuilder();  
        Document doc = dBuilder.parse(fXmlFile);  
  
        doc.getDocumentElement().normalize();  
  
        System.out.println("Root element :" +  
doc.getDocumentElement().getNodeName());  
  
        NodeList nList =  
doc.getElementsByTagName("staff");  
  
        System.out.println("-----");  
  
        for (int temp = 0; temp < nList.getLength();  
temp++) {  
  
            Node nNode = nList.item(temp);  
  
            System.out.println("\nCurrent Element :"  
+ nNode.getNodeName());  
  
            if (nNode.getNodeType() ==
```

Java XML Parser

```
Node.ELEMENT_NODE) {  
  
    Element eElement = (Element)  
nNode;  
  
    System.out.println("Staff id : "  
+ eElement.getAttribute("id"));  
    System.out.println("First Name : "  
" +  
eElement.getElementsByTagName("firstname").item(0).getText  
tContent());  
    System.out.println("Last Name : "  
+  
eElement.getElementsByTagName("lastname").item(0).getText  
Content());  
    System.out.println("Nick Name : "  
+  
eElement.getElementsByTagName("nickname").item(0).getText  
Content());  
    System.out.println("Salary : " +  
eElement.getElementsByTagName("salary").item(0).getTextCo  
ntent());  
  
    }  
    }  
    } catch (Exception e) {  
        e.printStackTrace();  
    }  
}  
}
```