**5.4java程序代码如下**

**import javax.xml.parsers.DocumentBuilder;**

**import javax.xml.parsers.DocumentBuilderFactory;**

**import org.w3c.dom.Document;**

**import org.w3c.dom.Element;**

**import org.w3c.dom.Node;**

**import org.w3c.dom.NodeList;**

**public class ParseSimpleXml {**

**Element root = null;**

**public ParseSimpleXml() {**

**try {**

**DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance();**

**DocumentBuilder builder = factory.newDocumentBuilder();**

**Document doc = builder.parse("5.4.xml");**

**doc.normalize();**

**root = doc.getDocumentElement();**

**} catch (Exception e) {**

**System.out.println(e);**

**}**

**}**

**public void parse() {**

**System.out.println("<?xml version = \"1.0\"?>");**

**System.out.println("<" + root.getNodeName() + ">");**

**NodeList children = root.getChildNodes();**

**for (int i = 0; i < children.getLength(); i++) {**

**Node child = children.item(i);**

**if (child.getNodeType() == Node.ELEMENT\_NODE) {**

**System.out.print("<" + child.getNodeName() + ">");**

**System.out.print(child.getFirstChild().getNodeValue());**

**System.out.println("</" + child.getNodeName() + ">");**

**}**

**}**

**System.out.println("</" + root.getNodeName() + ">");**

**}**

**public static void main(String[] args) {**

**ParseSimpleXml parseSimpleXml = new ParseSimpleXml();**

**parseSimpleXml.parse();**

**}**

**}**

**5.5 答案：**

**Java程序如下所示**

**import javax.xml.parsers.DocumentBuilder;**

**import javax.xml.parsers.DocumentBuilderFactory;**

**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;**

**public class CreateSimpleXml {**

**public static void main(String[] args) {**

**try {**

**DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance();**

**DocumentBuilder builder = factory.newDocumentBuilder();**

**Document doc = builder.newDocument();**

**Element team = doc.createElement("Team");**

**Element teamMember = doc.createElement("TeamMember");**

**Element empno = doc.createElement("Empno");**

**Attr empnoValue = doc.createAttribute("value");**

**empno.setAttribute(empnoValue.getNodeName(), "30772");**

**Element name = doc.createElement("Name");**

**Attr nameValue = doc.createAttribute("value");**

**name.setAttribute(nameValue.getNodeName(), "Manjeet Singh");**

**Element designation = doc.createElement("Designation");**

**Attr designationValue = doc.createAttribute("value");**

**designation.setAttribute(designationValue.getNodeName(), "Team Leader.");**

**team.appendChild(teamMember);**

**teamMember.appendChild(empno);**

**teamMember.appendChild(name);**

**teamMember.appendChild(designation);**

**doc.appendChild(team);**

**TransformerFactory tFactory = TransformerFactory.newInstance();**

**Transformer transformer = tFactory.newTransformer();**

**DOMSource source = new DOMSource(doc);**

**StreamResult result = new StreamResult(new java.io.File("4.5.xml"));**

**transformer.transform(source, result);**

**} catch (Exception e) {**

**e.printStackTrace();**

**}**

**}**

**}**