

APACHE XERCES STAX PARSER - PARSE XML DOCUMENT

http://www.tutorialspoint.com/xerces/xerces_stax_parse_document.htm

Copyright © tutorialspoint.com

Demo Example

Here is the input xml file we need to parse:

```
<?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>Vineet</firstname>
    <lastname>Gupta</lastname>
    <nickname>Vinni</nickname>
    <marks>95</marks>
  </student>
  <student rollno="593">
    <firstname>Jasvir</firstname>
    <lastname>Singh</lastname>
    <nickname>Jazz</nickname>
    <marks>90</marks>
  </student>
</class>
```

StAXParserDemo.java

```
package com.tutorialspoint.xml;

import java.io.FileNotFoundException;
import java.io.FileReader;
import java.util.Iterator;

import javax.xml.stream.XMLEventReader;
import javax.xml.stream.XMLInputFactory;
import javax.xml.stream.XMLStreamConstants;
import javax.xml.stream.XMLStreamException;
import javax.xml.stream.events.Attribute;
import javax.xml.stream.events.Characters;
import javax.xml.stream.events.EndElement;
import javax.xml.stream.events.StartElement;
import javax.xml.stream.events.XMLEvent;

public class StAXParserDemo {
    public static void main(String[] args) {
        boolean bFirstName = false;
        boolean bLastName = false;
        boolean bNickName = false;
        boolean bMarks = false;
        try {
            XMLInputFactory factory = XMLInputFactory.newInstance();
            XMLEventReader eventReader =
                factory.createXMLEventReader(
                    new FileReader("input.txt"));

            while(eventReader.hasNext()){
                XMLEvent event = eventReader.nextEvent();
                switch(event.getEventType()){
                    case XMLStreamConstants.START_ELEMENT:
                        StartElement startElement = event.asStartElement();
                        String qName = startElement.getName().getLocalPart();
```

}

```
Start Element : student
Roll No : 393
First Name: Dinkar
Last Name: Kad
Nick Name: Dinkar
Marks: 85
End Element : student

Start Element : student
Roll No : 493
First Name: Vineet
```

Last Name: Gupta
Nick Name: Vinni
Marks: 95
End Element : student

Start Element : student
Roll No : 593
First Name: Jasvir
Last Name: Singh
Nick Name: Jazz
Marks: 90
End Element : student