

# JAVA DOM4J PARSER - QUERY XML DOCUMENT

[http://www.tutorialspoint.com/java\\_xml/java\\_dom4j\\_query\\_document.htm](http://www.tutorialspoint.com/java_xml/java_dom4j_query_document.htm)

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## 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>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:

*DOM4JQueryDemo.java*

```
package com.tutorialspoint.xml;

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

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

public class DOM4JQueryDemo {
    public static void main(String[] args) {
        try {
            File inputFile = new File("input.txt");
            SAXReader reader = new SAXReader();
            Document document = reader.read( inputFile );

            System.out.println("Root element : "
                + document.getRootElement().getName());

            Element classElement = document.getRootElement();

            List<Node> nodes = document.selectNodes("/class/student[@rollno='493']" );
            System.out.println("-----");
            for (Node node : nodes) {
                System.out.println("\nCurrent Element : "
                    + node.getName());
                System.out.println("Student roll no : "
                    + node.valueOf("@rollno" ) );
                System.out.println("First Name : " +
                    node.selectSingleNode("firstname").getText());
            }
        }
    }
}
```

```
        System.out.println("Last Name : " +
node.selectSingleNode("lastname").getText());
        System.out.println("First Name : " +
node.selectSingleNode("nickname").getText());
        System.out.println("Marks : " + node.selectSingleNode("marks").getText());
    }
} catch (DocumentException e) {
    e.printStackTrace();
}
}
```

This would produce the following result:

```
Root element :class
-----
Current Element :student
Student roll no : 493
First Name : Vaneet
Last Name : Gupta
First Name : vinni
Marks : 95
```