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CB.EN.U4CSE17456

```
public class xmltoDB
{
    static private String getAttrValue(Node node,String attrName) {
        if ( ! node.hasAttributes() ) return "";
        NamedNodeMap nmap = node.getAttributes();
        if ( nmap == null ) return "";
        Node n = nmap.getNamedItem(attrName);
        if ( n == null ) return "";
        return n.getNodeValue();
    }

    static private String getTextContent(Node parentNode,String childName) {
        NodeList nlist = parentNode.getChildNodes();
        for (int i = 0 ; i < nlist.getLength() ; i++) {
            Node n = nlist.item(i);
            String name = n.getNodeName();
            if ( name != null && name.equals(childName) )
                return n.getTextContent();
        }
        return "";
    }
}

public static void main(String args[])
{
    try
    {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Scanner sc=new Scanner(System.in);
        // Establishing Connection
        Connection con = DriverManager.getConnection(
            "jdbc:oracle:thin:@localhost:1521/XE", "system", "9848");
        if (con != null)
            System.out.println("Connected");
        else
            System.out.println("Not Connected");
    }
}
```

```

File file = new File("src/books.xml");
DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance()
DocumentBuilder builder = factory.newDocumentBuilder();
Document xmlDoc = builder.parse(file);

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NodeList booksLength = xmlDoc.getElementsByTagName("book");

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//this gives the number of records in the xml file
System.out.println(booksLength.getLength());

```

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XPath xpath = XPathFactory.newInstance().newXPath();
Object res = xpath.evaluate("/catalog/book",
                           xmlDoc,
                           XPathConstants.NODESET);

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```

PreparedStatement stmt = con
    .prepareStatement("insert into books values(?,?,?,?,?,?)");

```

```

for (int i = 0 ; i < booksLength.getLength() ; i++) {
    Node node = booksLength.item(i);
    if(getAttrValue(node, "id")!=null) {
        List<String> columns = Arrays
            .asList(getAttrValue(node, "id"),
                getTextContent(node, "author"),
                getTextContent(node, "title"),
                getTextContent(node, "genre"),
                getTextContent(node, "price"),
                getTextContent(node, "description"));
        for (int n = 0 ; n < columns.size() ; n++) {
            //System.out.println(columns.get(n));
            stmt.setString(n+1, columns.get(n));
        }
        stmt.execute();
    }
}

```

```

}
catch(Exception e)
{
    System.out.println(e);
}

```

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test_data_queries.sql queries.sql

SQL Worksheet History

Worksheet Query Builder

Script Output x Query... x

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BOOK_ID	AUTHOR	TITLE	GENRE	PRICE	DESCRIPTION
1 bk101	Gambardella, Matthew	XML Developer's Guide	Computer	45	An in-depth look at creating applications with XI
2 bk102	Balls, Kim	Midnight Rain	Fantasy	6	A former architect battles corporate zombies, an
3 bk103	Corets, Eva	Maevae Ascendant	Fantasy	6	After the collapse of a nanotechnology society i
4 bk104	Corets, Eva	Oberon's Legacy	Fantasy	6	In post-apocalypse England, the mysterious agent
5 bk105	Corets, Eva	The Sundered Grail	Fantasy	6	The two daughters of Maevae, half-sisters, battle
6 bk106	Randall, Cynthia	Lower Birds	Romance	5	When Carla meets Paul at an ornithology conferen
7 bk107	Thurman, Paula	Splash Splash	Romance	5	A deep sea diver finds true love twenty thousand
8 bk108	Rhorr, Stefan	Creepy Crawlies	Horror	5	An anthology of horror stories about roaches, cen
9 bk109	Kress, Peter	Paradox Lost	Science Fiction	7	After an inadvertant trip through a Heisenberg Un
10 bk110	O'Brien, Tim	Microsoft .NET: The Programming Bible	Computer	37	Microsoft's .NET initiative is explored in detail
11 bk111	O'Brien, Tim	MSXML3: A Comprehensive Guide	Computer	37	The Microsoft MSXML3 parser is covered in detail
12 bk112	Galos, Mike	Visual Studio 7: A Comprehensive Guide	Computer	50	Microsoft Visual Studio 7 is explored in depth, 1

connections

- localhost
- wakanda
- Wakanda Forever
- Cloud Connections

queries.sql - Structure

No Structure

Reports

- All Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimesTen Reports
- User Defined Reports

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