

## FetchData.java

```
import com.mysql.jdbc.Driver;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

@WebServlet("/FetchData")
public class FetchData extends HttpServlet {
    private static final long serialVersionUID = 1L;
    // JDBC URL, username, and password of MySQL server
    private static final String JDBC_URL =
"jdbc:mysql://localhost:3306/ebookshop?autoReconnect=true&useSSL=false";
    private static final String JDBC_USER = "root";
    private static final String JDBC_PASSWORD = "vaibhu";

    protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        // Set up PrintWriter to send HTML response
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        try {
            // Load the MySQL JDBC driver
            Class.forName("com.mysql.cj.jdbc.Driver");
            // Establish connection to MySQL database
            Connection conn = DriverManager.getConnection(JDBC_URL, JDBC_USER,
JDBC_PASSWORD);
            // SQL query to retrieve data from ebookshop table
            String sql = "SELECT * FROM ebookshop";
            // Create a PreparedStatement object
            PreparedStatement preparedStatement = conn.prepareStatement(sql);
            ResultSet resultSet = preparedStatement.executeQuery();
            // Display the table content in HTML format
```

```

        out.println("<html><body>");
        out.println("<h2>Book Inventory</h2>");
        out.println("<table border='1' style='border-collapse:collapse;'>");
        out.println("<tr><th>ID</th><th>Title</th><th>Author</th><th>Price</th><th>Quantit
y</th></tr>");
        // Iterate through the ResultSet and display each row
        while (resultSet.next()) {
            out.println("<tr>");
            out.println("<td>" + resultSet.getInt("book_id") + "</td>");
            out.println("<td>" + resultSet.getString("book_title") + "</td>");
            out.println("<td>" + resultSet.getString("book_author") + "</td>");
            out.println("<td>" + resultSet.getDouble("book_price") + "</td>");
            out.println("<td>" + resultSet.getInt("quantity") + "</td>");
            out.println("</tr>");
        }
        out.println("</table>");
        out.println("</body></html>");
        resultSet.close();
        preparedStatement.close();
        conn.close();
    } catch (ClassNotFoundException | SQLException e) {
        e.printStackTrace();
        out.println("Error: " + e.getMessage());
    }
}
}
}

```

## Output:

The screenshot shows a web browser window displaying the output of a Java application. The browser's address bar shows the URL `http://localhost:7576/WT5/FetchData`. The page content includes a heading **Book Inventory** followed by a table with 5 rows of data. The table has columns for ID, Title, Author, Price, and Quantity. Below the browser window, the IDE's status bar indicates that the Tomcat v9.0 Server at localhost is started and synchronized.

ID	Title	Author	Price	Quantity
1	Shriman Yogi	Ranjit Desai	120.0	80
2	Chhava	Shivaji Sawant	150.0	100
3	Mrityunjay	Shivaji Sawant	140.0	120
4	Wings of fire	BAdul Kalam	90.0	90
5	Shyamchi Aai	Sane Guruji	150.0	110