

## • Details.Java

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

// Servlet implementation class Details
@WebServlet("/Details")
public class Details extends HttpServlet {
    private static final long serialVersionUID = 1L;

    //Default constructor.
    public Details() {
        // TODO Auto-generated constructor stub
    }

    // @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        PrintWriter out=response.getWriter();
        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con =
            DriverManager.getConnection("jdbc:mysql://localhost:3306/assignment5","root","root");

            Statement stmt=con.createStatement();
            ResultSet rs=stmt.executeQuery("select * from ebookshop");
            out.println("<body style=\"background-image:linear-gradient(rgba(0,0,0,0.8),rgba(0,0,0,0.8)), url(back.jfif);\"><h1 style=\"text-align:center; color:#FFFFFF;\">Book Details</h1>");
            out.println("<div style=\"margin-left:25%; font-size:40px;\"><table border=\"1\" style=\"width:70%;\"><tr style=\"background-color:#78c2be; color:#fff;\"><td><strong>Book ID</strong></td><td><strong>Book Title</strong></td><td><strong>Author</strong></td><td><strong>Price</strong></td><td><strong>Quantity</strong></td></tr>");
            while(rs.next())
                out.println("<tr style=\"color:#fff;\"><td>"+rs.getString(1)+"</td><td>"+rs.getString(2)+"</td><td>"+rs.getString(3)+"</td><td>"+rs.getString(4)+"</td><td>"+rs.getString(5)+"</td></tr>");
            out.println("</table></div>");
            con.close();
        }
        catch(Exception e)
        {
            out.println(e);
        }
    }

    // @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
```

```

protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
}
}

```

## • MySQL Database And Servlet Output

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left displays the 'ebookshop' database. The 'Query' editor in the center contains the SQL statement: `SELECT * FROM assignment5.ebookshop;`. The 'Result Grid' below the query shows the following data:

book_id	book_title	book_author	book_price	quantity
1	Java Programming	E Balagurusamy	599	15
2	Web Technology	Kogent Learning...	499	10
3	Python Fundame...	Paul J. Deital	550	7
4	Cracking the Cod...	Gayle Laakman...	599	25
5	Programming in A...	E Balagurusamy	399	10

The 'Output' pane at the bottom shows the execution details: `1 11:33:57 SELECT * FROM assignment5.ebookshop LIMIT 0, 1000` with a message '1 row(s) returned' and a duration of '0.000 sec / 0.000 sec'.

The screenshot shows a web browser displaying the 'Book Details' page. The page has a dark background with a bookshelf illustration. The table below lists the books:

Book ID	Book Title	Author	Price	Quantity
1	Java Programming	E Balagurusamy	599	15
2	Web Technology	Kogent Learning Solutions	499	10
3	Python Fundamentals	Paul J. Deital	550	7
4	Cracking the Coding Interview	Gayle Laakmann McDowell	599	25
5	Programming in Ansi C	E Balagurusamy	399	10