Week-11:   **Date:**

AIM: Extract data from the tables and display them in the catalogue page using JDBC.

DESCRIPTION:

       Create tables in the database which contain the details of items (books in our case like Book name, Price, Quantity, Amount)) of each category. Modify your catalogue page (week 2) in such a way that you should connect to the database and extract data from the tables and display them in the catalogue page using JDBC.

PROGRAM:

Retrieve.java:

```
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;
import java.io.*;
import java.util.*;
public class Retrieve extends HttpServlet
{
public void service(HttpServletRequest req,HttpServletResponse res) throws ServletException,IOException
{
res.setContentType("text/html");
PrintWriter out=res.getWriter();
try{
Class.forName("oracle.jdbc.driver.OracleDriver");
Connection con=DriverManager.getConnection("jdbc:oracle:thin:@195.100.101.158:1521:cclab","scott","tiger");
Statement s=con.createStatement();
ResultSet r=s.executeQuery("select * from cart");
out.println("<center> <table border=1>");
out.println("<thead> <th> Book name </th> <th> Price </th> <th> Quantity </th> <th> Amount </th> </thead>");
while(r.next())
{
out.println("<tr> <td> "+r.getString(1)+"</td> ");
out.println("<td> "+r.getString(2)+"</td> ");
out.println("<td> "+r.getInt(3)+"</td> ");
out.println("<td> "+r.getString(4)+"</td> </tr>");
}
out.println("</table></center>");
con.close();
}
catch(SQLException sq)
```
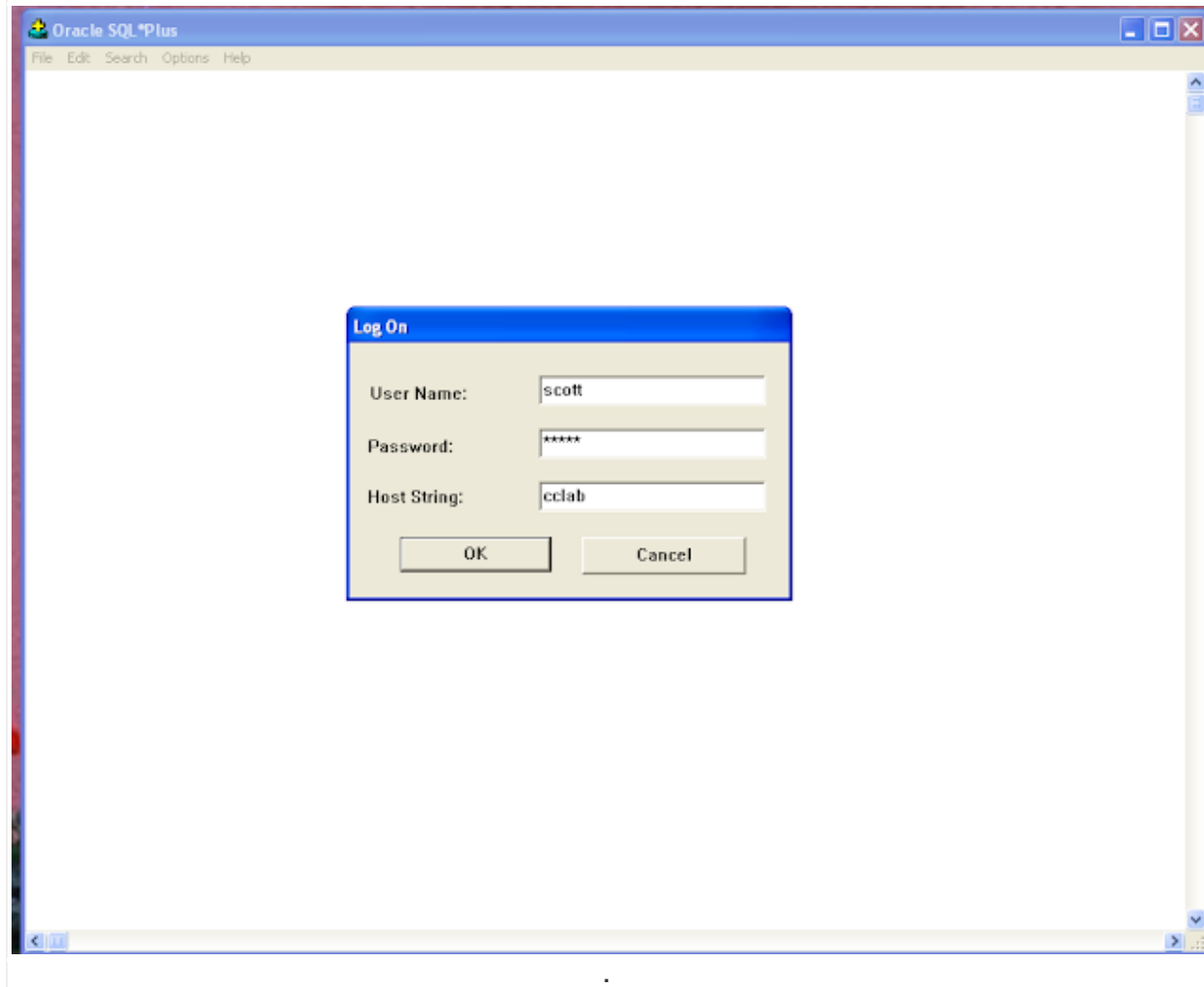
```
{
out.println("sql exception"+sq);
}

catch(ClassNotFoundException cl)
{
out.println("class not found"+cl);
}
}
}
```

web.xml:

```xml
<web-app>
<servlet>
<servlet-name>set</servlet-name>
<servlet-class>Cartenter</servlet-class>
</servlet>
<servlet>
<servlet-name>display</servlet-name>
<servlet-class>Retrieve</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>set</servlet-name>
<url-pattern>/enterdata</url-pattern>
</servlet-mapping>
<servlet-mapping>
<servlet-name>display</servlet-name>
<url-pattern>/display1</url-pattern>
</servlet-mapping>
</web-app>
```

.

CREATE THE TABLE AND INSERT VALUES INTO THE TABLE:

Oracle SQL *Plus

File Edit Search Options Help

```
SQL*Plus: Release 8.1.7.0.0 - Production on Mon Oct 13 14:12:17 2008

(c) Copyright 2000 Oracle Corporation.  All rights reserved.


Connected to:
Oracle8i Enterprise Edition Release 8.1.7.0.0 - Production
With the Partitioning option
JServer Release 8.1.7.0.0 - Production

SQL> create table cart(name varchar2(20),price varchar2(4),quantity number,amount varchar2(4));
create table cart(name varchar2(20),price varchar2(4),quantity number,amount varchar2(4))
                 *
ERROR at line 1:
ORA-00955: name is already used by an existing object


SQL> select * from cart;

no rows selected

SQL> create table cart_page(name varchar2(20),price varchar2(4),quantity number,amount varchar2(4));


Table created.

SQL> insert  into cart_page values('xml book','$20',2,'$40');

1 row created.

SQL> commit;

Commit complete.

SQL> |
```
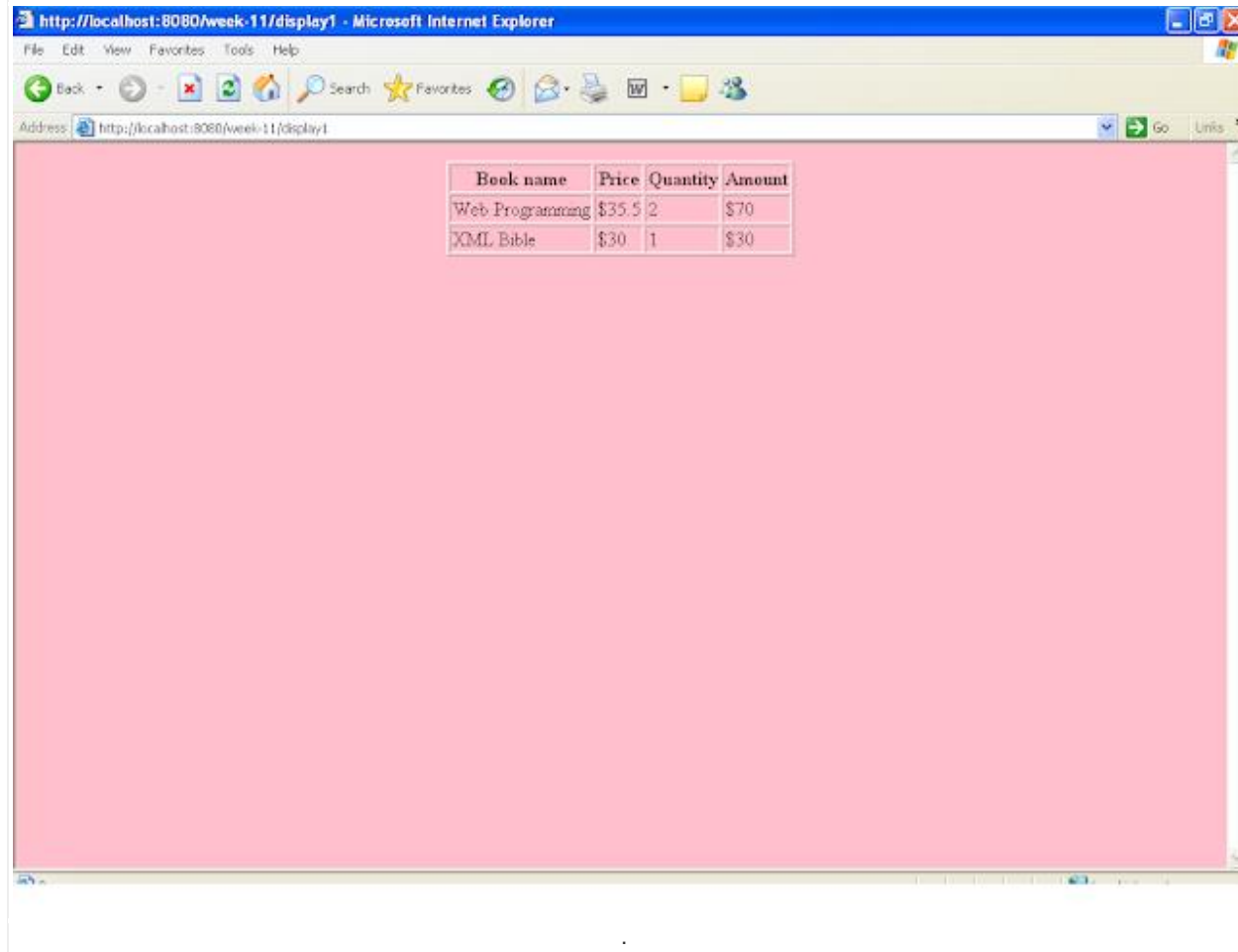
OUTPUT:

RESULT:

The data is extracted from the tables and displayed in the catalogue page using JDBC