LAB-6

Server Side Scripting using Servlet

18MIS7250

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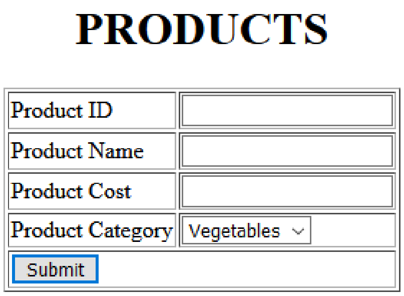
1. **CODE:**

Index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Product Page</title>
</head>
<body>


<h1>PRODUCTS</h1>
<form method="POST" action="ProductServlet">
<table border="1" style="margin-left:auto;margin-right:auto ">
<tr>
<td>Product ID</td>
<td>
<input type="text" name="pid"/></td>
</tr>
<tr>
<td>
Product Name</td>
<td>
<input type="text" name="pname">
</td>
</tr>
<tr>
<td>
Product Cost</td>
<td>
<input type="text" name="pcost">
</td>
</tr>
<tr>
<td>
Product Category</td>
<td>
<select name="post">
<option>Vegetables</option>
<option>Fruits</option>
<option>Juices</option>
<option>Sweets</option>
<option>Misc</option>
</select>
```

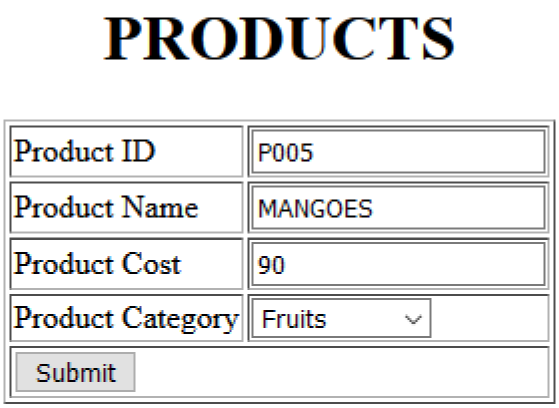
```
</td>
</tr>
<tr>
<td colspan=”2”>
<input type="submit" value="Submit">
</td>
</tr>


</table></form>
</body>
</html>
```

OUTPUT:



PRODUCTS

Product ID	
Product Name	
Product Cost	
Product Category	Vegetables
Submit	



PRODUCTS

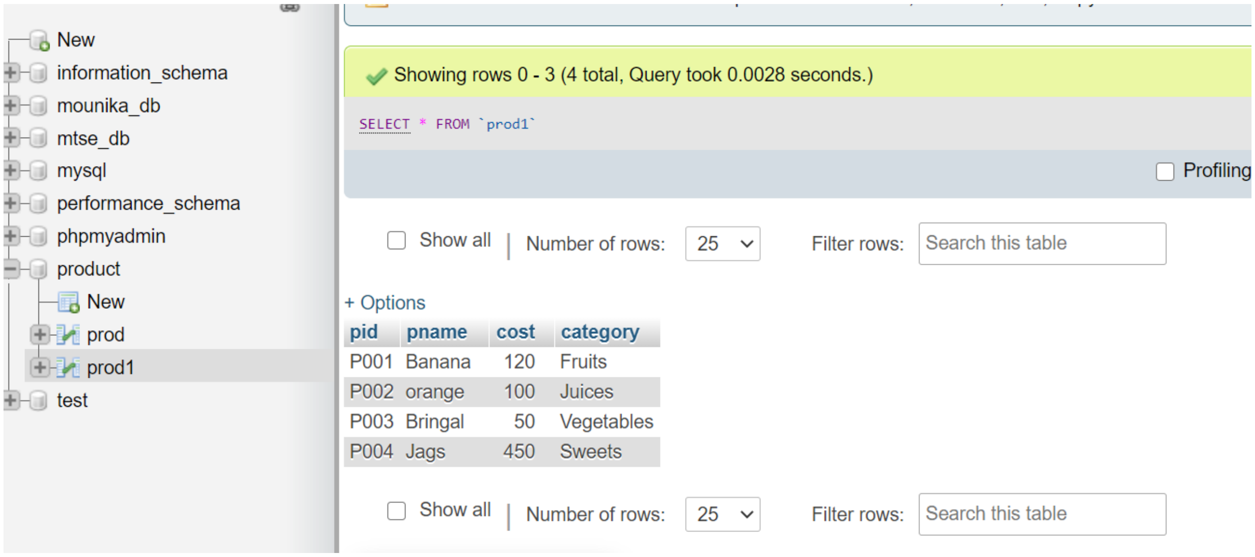
Product ID	P005
Product Name	MANGOES
Product Cost	90
Product Category	Fruits
Submit	

ProductServlet.java:

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

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

    /**
     * @see HttpServlet#HttpServlet()
     */
    public ProdServ() {
        super();
        // TODO Auto-generated constructor stub
    }

       /**
        * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
response)
        */
       //protected void doGet(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
             protected void processRequest(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException
,ClassNotFoundException,SQLException{
                    response.setContentType("text/html;charset=UTF-8");
                    try(PrintWriter out=response.getWriter()){
                           String hostName="localhost";
                           String dbName="product";
                           String userName="root";

                           Class.forName("com.mysql.jdbc.Driver");
                           String password="";
                           String id=request.getParameter("pid");
                           String name=request.getParameter("pname");
                           Float
cost=Float.parseFloat(request.getParameter("pcost"));
```

```
                          String cat=request.getParameter("pcat");
                          String connectionURL="jdbc:mysql://"+ hostName + ":3306/"
+dbName;
                          Connection conn = 
DriverManager.getConnection(connectionURL, userName,
                                password);




                    String sql = "Insert into Prod1 values (?,?,?,?)";

                           PreparedStatement pstm = conn.prepareStatement(sql);

                           pstm.setString(1, id);
                           pstm.setString(2, name);
                           pstm.setFloat(3, cost);

                           pstm.setString(4, cat);
                           pstm.executeUpdate();

                           out.println("<!DOCUTYPE html>");
                           out.println("<html>");
                           out.println("<head>");
                           out.println("<title>Servlet UserServlet</title>");
                           out.println("</head>");
                           out.println("<body>");
                           out.println("<h2 style='text-align:center;'>Product added 
Successfully</h2>");
                           out.println("</body>");
                           out.println("</html>");


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

      }

      /**
       * @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);
      }

}
```

OUTPUT:



✓ Showing rows 0 - 3 (4 total, Query took 0.0028 seconds.)

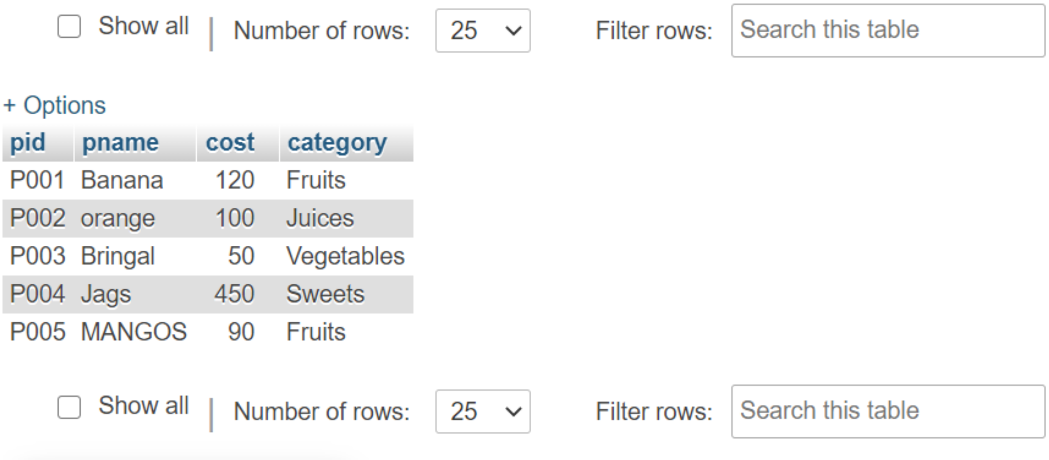
```
SELECT * FROM `prod1`
```

□ Show all | Number of rows: 25 Filter rows: Search this table

pid	pname	cost	category
P001	Banana	120	Fruits
P002	orange	100	Juices
P003	Bringal	50	Vegetables
P004	Jags	450	Sweets

□ Show all | Number of rows: 25 Filter rows: Search this table

After inserting values



□ Show all | Number of rows: 25 Filter rows: Search this table

pid	pname	cost	category
P001	Banana	120	Fruits
P002	orange	100	Juices
P003	Bringal	50	Vegetables
P004	Jags	450	Sweets
P005	MANGOS	90	Fruits

□ Show all | Number of rows: 25 Filter rows: Search this table