

Dt : 17/2/2025

Product.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="add" method="post">
ProductCode:<input type="text" name="pcode"><br>
ProductName:<input type="text" name="pname"><br>
ProductPrice:<input type="text" name="pprice"><br>
ProductQty:<input type="text" name="pqty"><br>
<input type="submit" value="AddProduct">
</form>
</body>
</html>
```

ProductBean.java

```
package test;
import java.io.*;
@SuppressWarnings("serial")
public class ProductBean implements Serializable
{
    private String code,name;
    private float price;
    private int qty;
    public ProductBean() {}
    public String getCode() {
        return code;
    }
    public void setCode(String code) {
        this.code = code;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public float getPrice() {
        return price;
    }
    public void setPrice(float price) {
        this.price = price;
    }
}
```

```

}
public int getQty() {
    return qty;
}
public void setQty(int qty) {
    this.qty = qty;
}
}
}

```

#### AddProductDAO.java

```

package test;
import java.sql.*;
public class AddProductDAO
{
    public int k=0;
    public int insert(ProductBean pb)
    {
        try {
            Connection con = DBConnection.getCon();
            PreparedStatement ps = con.prepareStatement
                ("insert into Product70 values(?,?,?,?)");
            ps.setString(1, pb.getCode());
            ps.setString(2, pb.getName());
            ps.setFloat(3, pb.getPrice());
            ps.setInt(4, pb.getQty());
            k = ps.executeUpdate();
        }catch(Exception e ) {
            e.printStackTrace();
        }
        return k;
    }
}

```

#### AddProductServlet.java

```

package test;

import java.io.*;

import jakarta.servlet.*;

import jakarta.servlet.http.*;

import jakarta.servlet.annotation.*;

@SuppressWarnings("serial")

```

**@WebServlet("/add")**

**public class AddProductServlet extends HttpServlet**

**{**

**protected void doPost(HttpServletRequest req, HttpServletResponse res) throws**

**ServletException, IOException**

**{**

**HttpSession hs = req.getSession(false); //Accessing existing session**

**if(hs==null) {**

**req.setAttribute("msg", "Session Expired...<br>");**

**req.getRequestDispatcher("Msg.jsp").forward(req, res);**

**}else {**

**ProductBean pb = new ProductBean(); //Bean created**

**pb.setCode(req.getParameter("pcode"));**

**pb.setName(req.getParameter("pname"));**

**pb.setPrice(Float.parseFloat(req.getParameter("pprice")));**

**pb.setQty(Integer.parseInt(req.getParameter("pqty")));**

**int k = new AddProductDAO().insert(pb);**

**if(k>0) {**

**req.setAttribute("msg", "Product Added Successfully...<br>");**

**req.getRequestDispatcher("AddProduct.jsp").forward(req, res);**

**}**

**}**

**}**

**}**

**AddProduct.jsp**

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"
    import="test.AdminBean"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
AdminBean ab = (AdminBean)session.getAttribute("abean");
String msg = (String)request.getAttribute("msg");
out.println("Page belongs to Admin:"+ab.getfName()+"<br>");
out.println(msg);
%>
<a href="Product.html">AddProduct</a>
<a href="view">ViewALLProducts</a>
<a href="Logout">Logout</a>
</body>
</html>

```

Msg.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
String msg = (String)request.getAttribute("msg");
out.println(msg);
%>
<%@include file="home.html" %>
</body>
</html>

```

ViewAllProductsDAO.java

```

package test;

import java.util.*;

import java.sql.*;

```

```

public class ViewAllProductsDAO
{
    public ArrayList<ProductBean> al = new ArrayList<ProductBean>();

    public ArrayList<ProductBean> retrieve()
    {
        try {
            Connection con = DBConnection.getCon();

            PreparedStatement ps = con.prepareStatement
                ("select * from Product70");

            ResultSet rs = ps.executeQuery();
            while(rs.next()) {
                ProductBean pb = new ProductBean();

                pb.setCode(rs.getString(1));
                pb.setName(rs.getString(2));
                pb.setPrice(rs.getFloat(3));
                pb.setQty(rs.getInt(4));

                al.add(pb); // Bean added to ArrayList
            } // end of loop
        } catch (Exception e) {
            e.printStackTrace();
        }

        return al;
    }
}

```

ViewAllProductsServlet.java

```
package test;

import java.io.*;

import java.util.*;

import jakarta.servlet.*;

import jakarta.servlet.http.*;

import jakarta.servlet.annotation.*;

@SuppressWarnings("serial")

@WebServlet("/view")

public class ViewAllProductsServlet extends HttpServlet
{

    protected void doGet(HttpServletRequest req, HttpServletResponse res) throws
        ServletException, IOException
    {

        HttpSession hs = req.getSession(false);

        if(hs==null) {

            req.setAttribute("msg", "Session Expired...<br>");

            req.getRequestDispatcher("Msg.jsp").forward(req, res);

        }else {

            ArrayList<ProductBean> al = new ViewAllProductsDAO().retrieve();

            hs.setAttribute("alist", al);

            req.getRequestDispatcher("ViewAllProducts.jsp").forward(req, res);

        }

    }

}
```

```
<%@ page Language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"
    import="test.*, java.util.*"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
AdminBean ab = (AdminBean)session.getAttribute("abean");
ArrayList<ProductBean> al =
(ArrayList<ProductBean>)session.getAttribute("alist");
out.println("Page Belongs to Admin : "+ab.getfName()+"<br>");
if(al.size()==0){
    out.println("Prodcuts not available...<br>");
}else{
    Iterator<ProductBean> it = al.iterator();
    while(it.hasNext()){
        ProductBean pb = (ProductBean)it.next();
        out.println(pb.getCode()+"&nbsp;&nbsp;&nbsp;"
            +pb.getName()+"&nbsp;&nbsp;&nbsp;"
            +pb.getPrice()+"&nbsp;&nbsp;&nbsp;"
            +pb.getQty()+"&nbsp;&nbsp;&nbsp;"
            +"<a href='edit'>Edit</a>"+ "&nbsp;&nbsp;&nbsp;"
            +"<a href='delete'>Delete</a>"+ "<br>");
    }
}
%>
<a href="Product.html">AddProduct</a>
<a href="Logout">Logout</a>
</body>
</html>
```



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Venkatesh Maipathii