**Add data in db Servlet**

**package** com.servlet.pro;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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** org.hibernate.Hibernate;

**import** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.Transaction;

**import** com.hibernate.pro.HibernateUtill;

**import** com.hibernate.product.EProduct;

/\*\*

\* Servlet implementation class Adddataindb

\*/

@WebServlet("/add-product")

**public** **class** Adddataindb **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Adddataindb() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

request.getRequestDispatcher("add.html").include(request, response);

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter out = response.getWriter();

String productName = request.getParameter("name");

String productPrice = request.getParameter("price");

//Step1: Gets session Factory

SessionFactory sf = HibernateUtill.beginSessionFactory();

//Step 2: Gets Session object

Session session = sf.openSession();

//Step3: Gets Tx object and begin transaction

Transaction tx = session.beginTransaction();

// Step 4: Create and populate entity object

EProduct product = **new** EProduct();

product.setName(productName);

product.setPrice(Double.*parseDouble*(productPrice));

//Step 5: <h3 style='color:green'> ProductNischithNischith is created successfully ! </h3>Save record in DB

session.save(product);

tx.commit();

out.print("<h3> Product is created successfully ! <h3>");

session.close();

}

}

**HIbernateUtill Class**

**package** com.hibernate.pro;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.cfg.Configuration;

**import** com.hibernate.product.EProduct;

**public** **class** HibernateUtill {

**public** **static** SessionFactory beginSessionFactory() {

Configuration cfg = **new** Configuration();

cfg.configure("hibernate.cfg.xml");

cfg.addAnnotatedClass(EProduct.**class**);

//Step 2

SessionFactory sf = cfg.buildSessionFactory();

**return** sf;

}

}

**Read Data Servlet**

**package** com.servlet.pro;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.util.List;

**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** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

**import** com.hibernate.pro.HibernateUtill;

**import** com.hibernate.product.EProduct;

/\*\*

\* Servlet implementation class Readdata

\*/

@WebServlet("/read-product")

**public** **class** Readdata **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Readdata() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter out = response.getWriter();

SessionFactory sf = HibernateUtill.*beginSessionFactory*();

Session session = sf.openSession();

List<EProduct> products = session.createQuery(" from EProduct").list();

//Show data on HTML

out.print("<h1> Product List :- </h1>");

out.print("<style> table,td,th { border:2px solid red; padding: 10px; }</style>" );

out.print("<table>");

out.print("<tr>");

out.print("<th> Product Id </th>");

out.print("<th> Product Name </th>");

out.print("<th> Product Price </th>");

out.print("</tr>");

**for**(EProduct p : products) {

out.print("<tr>");

out.print("<td>"+p.getId()+"</td>");

out.print("<td>"+p.getName()+"</td>");

out.print("<td>"+p.getPrice()+"</td>");

out.print("</tr>");

}

out.print("</table>");

session.close();

}

/\*\*

\* **@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);

}

}

**Eproduct Class**

**package** com.hibernate.product;

**import** javax.annotation.processing.Generated;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table(name="eproduct\_27012022")

**public** **class** EProduct {

@Id

@Generated

@Column(name="eproduct\_id")

**private** **int** id;

@Column(name="eproduct\_name")

**private** String name;

@Column(name="eproduct\_price")

**private** Double price;

//ALt + S + R

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** Double getPrice() {

**return** price;

}

**public** **void** setPrice(Double price) {

**this**.price = price;

}

}