Configure Hibernate using Annotations in Eclipse IDE

Com.ecommerce:

```
package com.ecommerce;
import java.math.BigDecimal;
import java.util.Date;
public class Eproduct {
      private long ID;
      private String name;
      private BigDecimal price;
      private Date dateAdded;
      public Eproduct() {
      public Eproduct(long id, String name, BigDecimal price, Date
dateAdded) {
            this.ID = id;
            this.name = name;
            this.price = price;
            this.dateAdded = dateAdded;
      public long getID() {
            return ID;
      public void setID(long iD) {
            ID = iD;
      public String getName() {
            return name;
      public void setName(String name) {
            this.name = name;
      public BigDecimal getPrice() {
            return price;
      public void setPrice(BigDecimal price) {
            this.price = price;
      public Date getDateAdded() {
            return dateAdded;
      public void setDateAdded(Date dateAdded) {
            this.dateAdded = dateAdded;
}
```

HibernateQuerydemo:

```
package practice;
import java.io.*;
import java.io.PrintWriter;
import java.util.List;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;
import org.hibernate.*;
import com.ecommerce.Eproduct;
@WebServlet("/query-demo")
public class HibernateQueryDemo extends HttpServlet {
     protected void doGet(HttpServletRequest request, HttpServletResponse
response)
                 throws ServletException, IOException {
           PrintWriter out = response.getWriter();
           out.println("<html><body>");
           // STEP 1: Get a Session (connection) from the Session Factory
class
           SessionFactory factory = HibernateUtil.getSessionFactory();
           // STE2 Create the session object
           Session session = factory.openSession();
           out.println("Hibernate Session opened.<br>");
           // STEP 3 Query the DB and get the data
           List<Eproduct> eproducts = session.createQuery("from
Eproduct").list();
           out.println("");
           for (Eproduct prod : eproducts) {
                 out.println("" + "" + prod.getID() + "" +
prod.getName() + "" + prod.getPrice() + """
                             + prod.getDateAdded());
           out.println("");
           session.close();
           out.println("Hibernate Session closed.<br>");
           out.println("</body></html>");
}
```

Util.com

```
package practice;
import org.hibernate.SessionFactory;
import org.hibernate.boot.*;
import org.hibernate.boot.registry.*;
public class HibernateUtil {
     private static final SessionFactory;
      static {
            try {
                  StandardServiceRegistry standardRegistry = new
StandardServiceRegistryBuilder()
                              .configure("hibernate.cfg.xml").build();
                  Metadata metaData = new
MetadataSources(standardRegistry).getMetadataBuilder().build();
                  sessionFactory =
metaData.getSessionFactoryBuilder().build();
            } catch (Throwable th) {
                  throw new ExceptionInInitializerError(th);
      }
      public static SessionFactory getSessionFactory() {
           return sessionFactory;
}
```

Web.xml:

Index.html:

```
<html>
<head> </head>
<body>
<h3>Hibernate Configuration Example </h3>
<a href="init">Initialize Hibernate</a>
<br/>
<br/>
<br/>
<br/>
<br/>
<h3>Hibernate Query Demo </h3> $0 ==
<a href="query-demo">Query Here and get the data</a> <br/>
</body>
</html>
```