

Configure Hibernate in Eclipse IDE

hibernate.cfg.xml

```
<?xml version='1.0' encoding='utf-8'?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

  <session-factory>

    <!-- Database connection settings -->

    <property name="connection.driver_class">com.mysql.cj.jdbc.Driver</property>

    <property name="connection.url">jdbc:mysql://localhost:3306/ECOMMERCE</property>

    <property name="connection.username">root</property>

    <property name="connection.password">Jyotidevadiga@371</property>

    <mapping resource="com/ecommerce/EProduct.hbm.xml"/>

  </session-factory>

</hibernate-configuration>
```

Index.html

```
<title>Hibernate Demo </title>

<h3>Hibernate Configuration Example </h3>

<a href="init">Initialize Hibernate</a><br>
```

HibernateUtil.java

```
package com.simpli;
```

```
import org.hibernate.SessionFactory;
```

```
import org.hibernate.boot.*;
```

```
import org.hibernate.boot.registry.*;
```

```
public class HibernateUtil {
```

```
    private static final SessionFactory 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) {
```

```
            System.out.println(th);
```

```

        throw new ExceptionInInitializerError(th);
    }
}

    public static SessionFactory getSessionFactory() {
        return sessionFactory;
    }
}

```

HibernateInit.java

```

package com.simpli;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

import org.hibernate.*;

@WebServlet("/init")
public class HibernateInit 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>");

        session.close();

        out.println("Hibernate Session closed.<br>");

        out.println("</body></html>");

    }

}

```

OUTPUT:

