

Phase-2 Practice Project: Assisted Practice

1. 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



Hibernate Configuration Example

[Initialize Hibernate](#)

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