1. Configure Hibernate in Eclipse IDE.

**Index.html**

<title>Hibernate Configuration Example </title>

<h3>Hibernate Configuration Example </h3>

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

**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"*>Annu!a@123456</property>

</session-factory>

</hibernate-configuration>

**HibernateUtil**

**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) {

**throw** **new** ExceptionInInitializerError(th);

}

}

**public** **static** SessionFactory getSessionFactory() {

**return** ***sessionFactory***;

}

}

**.**

InitHibernate.java

**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>");

}

}



