**Phase 2:Practice Project:Assissted Practice: 3**

**1. Configure Hibernate in Eclipse IDE.**

**Source Code:**

**Index.html:**

<!DOCTYPEhtml>

<html>

<head>

<metacharset=*"ISO-8859-1"*>

<title>Hibernate Configuration Example</title>

</head>

<body>

<ahref=*"InitHibernate"*>Initialize Hibernate</a><br>

</body>

</html>

**Hibernate.cfg.xml:**

<?xmlversion=*"1.0"*encoding=*"UTF-8"*?>

<!DOCTYPEhibernate-configurationPUBLIC

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

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

<hibernate-configuration>

<session-factory>

<!-- Database connection settings -->

<propertyname=*"connection.driver\_class"*>com.mysql.jdbc.Driver</property>

<propertyname=*"connection.url"*>jdbc:mysql://localhost:3306/jdbcdemo</property>

<propertyname=*"connection.username"*> student </property>

<propertyname=*"connection.password"*>student</property>

</session-factory>

</hibernate-configuration>

**HibernateUtil.java:**

**package**com.ecommerce;

**import**org.hibernate.SessionFactory;

**import**org.hibernate.boot.Metadata;

**import**org.hibernate.boot.MetadataSources;

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

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

**publicclass**HibernateUtil {

**privatestaticfinal**SessionFactory***sessionFactory***;

**static** {

**try** {

StandardServiceRegistrystandardRegistry = **new**

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

Metadata metaData = **new**

MetadataSources(standardRegistry).getMetadataBuilder().build();

***sessionFactory*** = metaData.getSessionFactoryBuilder().build();

} **catch** (Throwable th) {

**thrownew**ExceptionInInitializerError(th);

}

}

**publicstatic**SessionFactorygetSessionFactory() {

**return*sessionFactory***;

}

}

**Inithibernate.java:**

**package**com.ecommerce;

**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.Session;

**import**org.hibernate.SessionFactory;

/\*\*

\* Servlet implementation class InitHibernate

\*/

@WebServlet("/InitHibernate")

**publicclass**InitHibernate**extends**HttpServlet {

**privatestaticfinallong*serialVersionUID*** = 1L;

/\*\*

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

\*/

**public**InitHibernate() {

**super**();

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

}

/\*\*

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

\*/

**protectedvoid**doGet(HttpServletRequestrequest, HttpServletResponseresponse) **throws**

ServletException, IOException {

// **TODO** Auto-generated method stub

**try** {

PrintWriterout = response.getWriter();

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

SessionFactoryfactory = HibernateUtil.*getSessionFactory*();

Session session = factory.openSession();

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

session.close();

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

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

} **catch** (Exception ex) {

**throw**ex;

}

}

/\*\*

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

\*/

**protectedvoid**doPost(HttpServletRequestrequest, HttpServletResponseresponse) **throws**

ServletException, IOException {

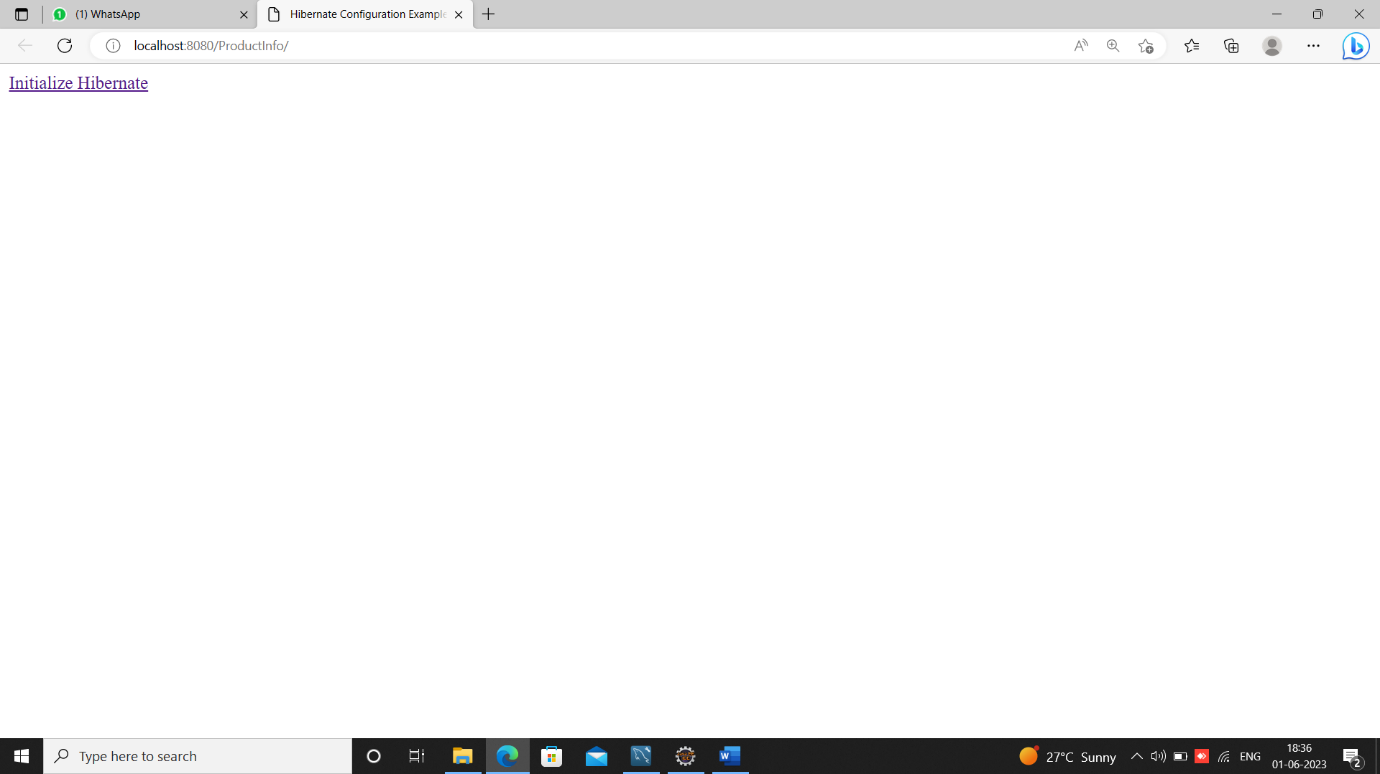
// **TODO** Auto-generated method stub

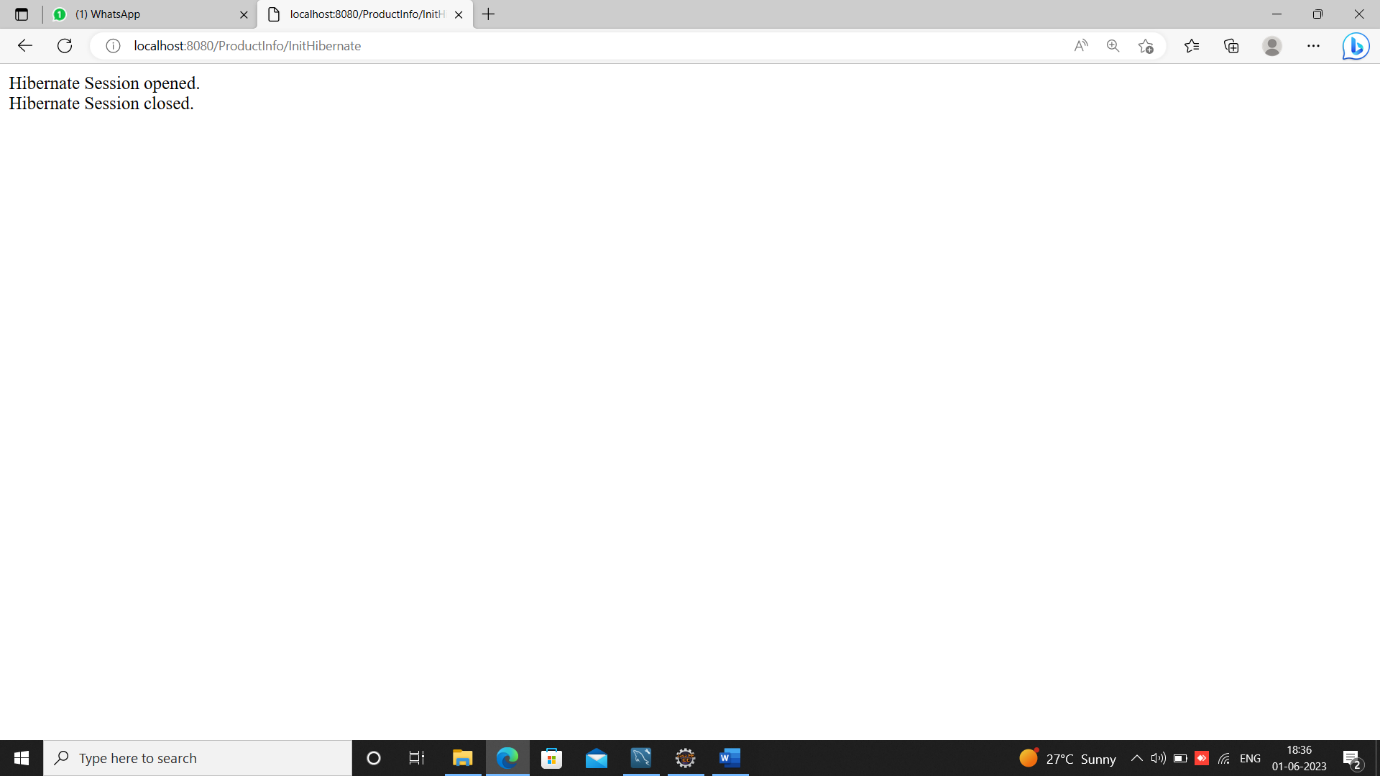
doGet(request, response);

}

}

**Output:**

****

****