Configure Hibernate in Eclipse IDE.

Hibernate.cfg.xml:

```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.jdbc.Driver</property>
    <property
name="connection.url">jdbc:mysql://localhost:3306/ecommerce</property>
    <property name="connection.username">root</property>
    <property name="connection.password">Mgokulakrishnan@12</property>
  </session-factory>
</hibernate-configuration>
```

Index html:

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Hibernate Configuration Example</title>
</head>
<body>
<a href="init">Initialize Hibernate</a><br>

</body>
</html>
```

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;

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();
```

```java
                        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.ServletConfig;
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 javax.transaction.*;
import javax.xml.bind.*;

import java.io.Serializable;
import java.util.List;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;
import com.ecommerce.EProduct;
import com.ecommerce.HibernateUtil;


/**
 * Servlet implementation class InitHibernate
 */
@WebServlet("/InitHibernate")
public class InitHibernate extends HttpServlet {
        private static final long serialVersionUID = 1L;



    /**
 * @see HttpServlet#HttpServlet()
 */
    public InitHibernate() {
        super();
        // TODO Auto-generated constructor stub

    }


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

```java
        */
        protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
                // TODO Auto-generated method stub
                try {
                        PrintWriter out = response.getWriter();
                        out.println("<html><body>");

                        SessionFactory factory =
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)
         */
        protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
                // TODO Auto-generated method stub
                doGet(request, response);
        }

}
```
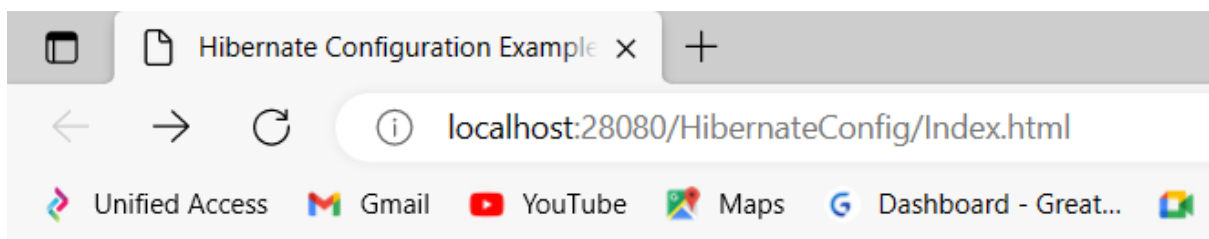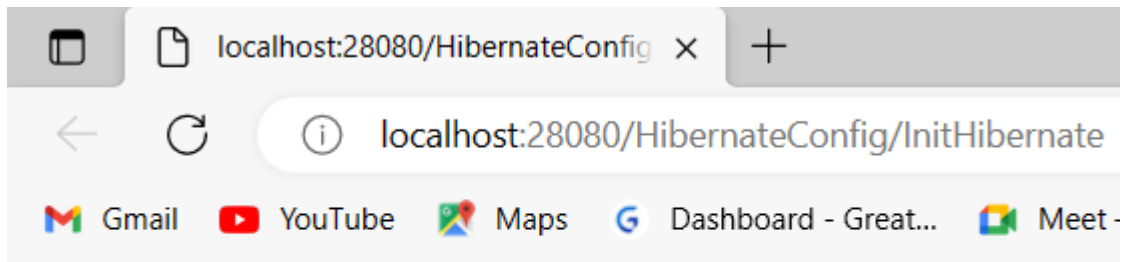
Hibernate Configuration Example

← → C (i) localhost:28080/HibernateConfig/Index.html

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Initialize Hibernate

Hibernate Session opened.
Hibernate Session closed.