

1. Configure Hibernate in Eclipse IDE.

SOURCE CODE:

//index.html

```
<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Hibernate Configuration Example</title>

</head>

<body>

<h3>Hibernate Configuration Example </h3>

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

</body>

</html>
```

//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">Simplilearn</property>
</session-factory>
</hibernate-configuration>
```

//Hibernatelnit.java

```
package com.simpli;

import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;

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

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

import org.hibernate.*;

/**
 * Servlet implementation class Hibernatelnit
 */
@WebServlet("/init")
```

```

public class HibernateInit extends HttpServlet {
    private static final long serialVersionUID = 1L;

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

    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>");
    }

}
```

//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) {  
            throw new ExceptionInInitializerError(th);  
        }  
    }  
  
    public static SessionFactory getSessionFactory() {  
        return sessionFactory;  
    }  
}
```

Output:

Hibernate Configuration Example

[Initialize Hibernate](#)

Hibernate Session opened.
Hibernate Session closed.