Step 1: Prepare dynamic web project in eclips

**Download hibernate jar files from the link:** [**https://jar-download.com/download-handling.php**](https://jar-download.com/download-handling.php)

**Also download mysql connector jar file link:** [**https://dev.mysql.com/downloads/connector/j/?os=26**](https://dev.mysql.com/downloads/connector/j/?os=26)

Step2: Now go to your project right click on it and prepare source folder

As given name

**src/main/resources**

now right click on resources and prepare one xml file

names as below

**hibernate.cfg.xml**

**now copy below code**

<?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>

<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"*>Nikunj@123</property>

<property name=*"hbm2ddl.auto"*>update</property>

<property name=*"dialect"*>org.hibernate.dialect.MySQL8Dialect</property>

<property name=*"show\_sql"*>true</property>

</session-factory>

</hibernate-configuration>

Create student entity in src/main/java

**package** com.simplilearn;

**public** **class** Student {

**private** **int** id;

**private** String email;

**private** String password;

**private** String name;

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

}

Now again go to **src/main/resource**

And prepare new xml file with below name

**Student.hbm.xml**

And copy below code

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE hibernate-mapping PUBLIC

"-//Hibernate/Hibernate Mapping DTD 3.0//EN"

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

<hibernate-mapping package=*"com.simplilearn"*>

<class name=*"Student"* table=*"student"*>

<id name=*"id"* column=*"sid"*>

<generator class=*"increment"*></generator>

</id>

<property name=*"name"* type=*"string"*></property>

<property name=*"email"* type=*"string"*></property>

<property name=*"password"* type=*"string"*></property>

</class>

</hibernate-mapping>

Create a class with name HibernateUtil

**package** com.simplilearn;

**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** SessionFactory *sessionFactory*;

**static** {

**try** {

StandardServiceRegistry registry= **new** StandardServiceRegistryBuilder().

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

Metadata metadata= **new** MetadataSources(registry).getMetadataBuilder()

.build();

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

}

**catch**(Exception e){

}

}

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

**return** *sessionFactory*;

}

}

**Go to src/main/web-app right click on it and prepare index.html file**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

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

</body>

</html>

Prepare servlet named InitHibernate with mapping “/init”

**package** com.simplilearn;

**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;

@WebServlet("/init")

**public** **class** InitHibernate **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

PrintWriter out= response.getWriter();

//connection pool

SessionFactory factory= HibernateUtil.*getSessionFactory*();

// connection

Session session= factory.openSession();

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

session.close();

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

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

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

doGet(request, response);

}

}