**Hibernate Xml Configuration**

**Pom.xml**

<project xmlns="http://maven.apache.org/POM/4.0.0"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>hibernate-xml-demo</artifactId>

<version>1.0-SNAPSHOT</version>

<dependencies>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.6.15.Final</version>

</dependency>

<dependency>

<groupId>com.h2database</groupId>

<artifactId>h2</artifactId>

<version>2.2.224</version>

</dependency>

<dependency>

<groupId>javax.xml.bind</groupId>

<artifactId>jaxb-api</artifactId>

<version>2.3.1</version>

</dependency>

</dependencies>

</project>

**/main/resources**

**Employee.hbm.xml**

<?xml version="1.0" encoding="utf-8"?>

<!DOCTYPE hibernate-mapping PUBLIC

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

"http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">

<hibernate-mapping>

<class name="com.example.hibernate.model.Employee" table="EMPLOYEE">

<id name="id" type="int" column="ID">

<generator class="native"/>

</id>

<property name="firstName" column="FIRST\_NAME" type="string"/>

<property name="lastName" column="LAST\_NAME" type="string"/>

<property name="salary" column="SALARY" type="double"/>

</class>

</hibernate-mapping>

**Hibernate.xml**

<?xml version='1.0' encoding='utf-8'?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name="hibernate.connection.driver\_class">org.h2.Driver</property>

<property name="hibernate.connection.url">jdbc:h2:mem:testdb;DB\_CLOSE\_DELAY=-1</property>

<property name="hibernate.connection.username">sa</property>

<property name="hibernate.connection.password"></property>

<property name="hibernate.dialect">org.hibernate.dialect.H2Dialect</property>

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

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

<mapping resource="Employee.hbm.xml"/>

</session-factory>

</hibernate-configuration>

**/java/com/example**

**MainApp.java**

package com.example.hibernate;

import com.example.hibernate.model.Employee;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.cfg.Configuration;

import java.util.List;

public class MainApp {

public static void main(String[] args) {

SessionFactory factory = new Configuration().configure().buildSessionFactory();

Session session = factory.openSession();

Transaction tx = null;

try {

tx = session.beginTransaction();

Employee emp1 = new Employee("John", "Doe", 5000.0);

session.save(emp1);

List<Employee> employees = session.createQuery("FROM Employee").list();

for (Employee e : employees) {

System.out.println("Fetched: " + e);

}

Employee fetched = session.get(Employee.class, emp1.getId());

System.out.println("Get by ID: " + fetched);

session.delete(fetched);

System.out.println("Deleted employee with ID: " + fetched.getId());

tx.commit();

} catch (Exception e) {

if (tx != null) tx.rollback();

e.printStackTrace();

} finally {

session.close();

factory.close();

}

}

}

**/model/Employee.java**

package com.example.hibernate.model;

public class Employee {

private int id;

private String firstName;

private String lastName;

private double salary;

public Employee() {}

public Employee(String firstName, String lastName, double salary) {

this.firstName = firstName;

this.lastName = lastName;

this.salary = salary;

}

public int getId() { return id; }

public void setId(int id) { this.id = id; }

public String getFirstName() { return firstName; }

public void setFirstName(String firstName) { this.firstName = firstName; }

public String getLastName() { return lastName; }

public void setLastName(String lastName) { this.lastName = lastName; }

public double getSalary() { return salary; }

public void setSalary(double salary) { this.salary = salary; }

@Override

public String toString() {

return id + ": " + firstName + " " + lastName + " - $" + salary;

}

}

**Output:**

