// Address.java

public class Address {

private String street;

private String city;

private String zipCode;

// getters and setters

}

// Person.java

import javax.persistence.\*;

@Entity

public class Person {

@Id

@GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

private String name;

@Embedded

private Address address;

// getters and setters

}

<!-- hibernate.cfg.xml -->

<!DOCTYPE hibernate-configuration PUBLIC "-//Hibernate/Hibernate Configuration DTD 3.0//EN"

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

<hibernate-configuration>

<session-factory>

<!-- JDBC Database connection settings -->

<property name="hibernate.connection.driver\_class">com.mysql.cj.jdbc.Driver</property>

<property name="hibernate.connection.url">jdbc:mysql://localhost:3306/your\_database</property>

<property name="hibernate.connection.username">your\_username</property>

<property name="hibernate.connection.password">your\_password</property>

<!-- JDBC connection pool settings -->

<property name="hibernate.c3p0.min\_size">5</property>

<property name="hibernate.c3p0.max\_size">20</property>

<property name="hibernate.c3p0.timeout">300</property>

<property name="hibernate.c3p0.max\_statements">50</property>

<property name="hibernate.c3p0.idle\_test\_period">3000</property>

<!-- Specify dialect -->

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

<!-- Echo all executed SQL to stdout -->

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

<!-- Drop and re-create the database schema on startup -->

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

<!-- Mention annotated class -->

<mapping class="Person"/>

<mapping class="Address"/>

</session-factory>

</hibernate-configuration>

public class HibernateTest {

public static void main(String[] args) {

SessionFactory factory = new Configuration().configure("hibernate.cfg.xml").buildSessionFactory();

Session session = factory.getCurrentSession();

try {

session.beginTransaction();

// Create and save a Person with an Address

Person person = new Person();

person.setName("John");

Address address = new Address();

address.setStreet("123 Main St");

address.setCity("Cityville");

address.setZipCode("12345");

person.setAddress(address);

session.save(person);

session.getTransaction().commit();

// Close the session

session.close();

// Open a new session for retrieval

session = factory.getCurrentSession();

session.beginTransaction();

// Load the Person with the Address

Person loadedPerson = session.get(Person.class, person.getId());

// Accessing the Address component

Address loadedAddress = loadedPerson.getAddress();

System.out.println("Street: " + loadedAddress.getStreet());

System.out.println("City: " + loadedAddress.getCity());

System.out.println("Zip Code: " + loadedAddress.getZipCode());

session.getTransaction().commit();

} finally {

factory.close();

}

}

}