**Create Entity Classes:**

**// Person.java**

**import java.util.List;**

**import java.util.Set;**

**import java.util.Map;**

**public class Person {**

**private int id;**

**private List<Phone> phoneList;**

**private Set<Phone> phoneSet;**

**private Map<String, Phone> phoneMap;**

**// getters and setters**

**}**

**// Phone.java**

**public class Phone {**

**private int id;**

**private String number;**

**// getters and setters**

**}**

**Create Hibernate Mapping Files:**

**<!-- Person.hbm.xml -->**

**<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD 3.0//EN"**

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

**<hibernate-mapping>**

**<class name="Person" table="person">**

**<id name="id" type="int">**

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

**</id>**

**<!-- Mapping List -->**

**<list name="phoneList" table="phone\_list" cascade="all">**

**<key column="person\_id"/>**

**<list-index column="list\_index"/>**

**<one-to-many class="Phone"/>**

**</list>**

**<!-- Mapping Set -->**

**<set name="phoneSet" table="phone\_set" cascade="all">**

**<key column="person\_id"/>**

**<one-to-many class="Phone"/>**

**</set>**

**<!-- Mapping Map -->**

**<map name="phoneMap" table="phone\_map" cascade="all">**

**<key column="person\_id"/>**

**<map-key column="phone\_type"/>**

**<one-to-many class="Phone"/>**

**</map>**

**</class>**

**</hibernate-mapping>**

**<!-- Phone.hbm.xml -->**

**<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD 3.0//EN"**

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

**<hibernate-mapping>**

**<class name="Phone" table="phone">**

**<id name="id" type="int">**

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

**</id>**

**<property name="number" column="number"/>**

**<!-- Additional properties if any -->**

**</class>**

**</hibernate-mapping>**

**Configure Hibernate:**

**<!-- 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 resource="Person.hbm.xml"/>**

**<mapping resource="Phone.hbm.xml"/>**

**</session-factory>**

**</hibernate-configuration>  
Testing the Mappings:**

**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 phones**

**Person person = new Person();**

**// Set phoneList, phoneSet, and phoneMap**

**session.save(person);**

**session.getTransaction().commit();**

**} finally {**

**factory.close();**

**}**

**}}**