One to Many mapping-

User Table	Policy Table
Id	Id
Name	Policyid
Email	Userid
	Status
	Type

User.java

package com.test;

import java.io.Serializable;

import java.util.List;

import java.util.Set;

import javax.persistence.CascadeType;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.OneToMany;

import javax.persistence.OneToOne;

import javax.persistence.OrderColumn;

import javax.persistence.Table;

```java
@Entity

@Table(name = "user")

public class User implements Serializable{


        private static final long serialVersionUID = 1L;

        @Id

        @GeneratedValue(strategy = GenerationType.IDENTITY)

        @Column(name="user_id")

        private int id;

        @Column(name = "name")

        private String name;

        @Column(name = "email")

        private String email;


        @OneToMany(mappedBy="user")

        private Set<Policy> policy;


        public int getId() {

                return id;

        }


        public void setId(int id) {

                this.id = id;

        }
```

```java
public String getName() {

        return name;

}


public void setName(String name) {

        this.name = name;

}


public String getEmail() {

        return email;

}


public void setEmail(String email) {

        this.email = email;

}


public Set<Policy> getPolicy() {

        return policy;

}


public void setPolicy(Set<Policy> policy) {

        this.policy = policy;

}


@Override
```

```java
        public String toString() {

                return "User [id=" + id + ", name=" + name + ", email=" + email + ", policy=" + policy +
"]";

        }


}
```

Policy.java

```java
package com.test;


import java.io.Serializable;


import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.ManyToOne;

import javax.persistence.Table;


@Entity

@Table(name = "policy")

public class Policy implements Serializable {


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

```java
@Id
@GeneratedValue(strategy = GenerationType.IDENTITY)
private int id;


@Column(name = "policyid")
private String policyId;


@Column(name = "policytype")
private String policyType;


@Column(name = "status")
private String status;


@ManyToOne
@JoinColumn(name="user_id", nullable=false)
private User user;


public Policy() {


}
public Policy(String policyId, String policyType, String status, User user) {
        super();
        this.policyId = policyId;
        this.policyType = policyType;
        this.status = status;
```

```java
        this.user = user;

    }


    public int getId() {

        return id;

    }


    public void setId(int id) {

        this.id = id;

    }


    public String getPolicyId() {

        return policyId;

    }


    public void setPolicyId(String policyId) {

        this.policyId = policyId;

    }


    public String getPolicyType() {

        return policyType;

    }


    public void setPolicyType(String policyType) {

        this.policyType = policyType;
```

```java
        }


        public String getStatus() {

                return status;

        }


        public void setStatus(String status) {

                this.status = status;

        }


        @Override

        public String toString() {

                return "Policy [id=" + id + ", policyId=" + policyId + ", policyType=" + policyType + ",
status=" + status

                                + ", user=" + user + "]";

        }


}
```

MainTest.java

```java
package com.test;


import java.util.*;


import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;
```

```java
import org.hibernate.cfg.Configuration;

public class MainTest {

    public static void main(String[] args) {

        User user= new User();

        Policy policy1= new Policy("J10", "CarInsurance","Active", user);

        Policy policy2= new Policy("J11", "BikeInsurance","Active", user);


        Set<Policy> set= new HashSet<Policy>();

        set.add(policy1);

        set.add(policy2);


        user.setPolicy(set);

        user.setName("Samir");

        user.setEmail("samir@gmail.com");


        Configuration configuration = new Configuration();

        configuration.configure("hibernate.cfg.xml"); //load the file


        SessionFactory sessionFactory = configuration.buildSessionFactory();

        Session session=sessionFactory.openSession();


        Transaction t= session.beginTransaction();
```

```
            session.save(user);

            session.save(policy1);

            session.save(policy2);


            t.commit();

            session.close();

            sessionFactory.close();



    }

}
```

Pom.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration SYSTEM
    "classpath://org/hibernate/hibernate-
configuration-3.0.dtd">
<hibernate-configuration>
    <session-factory>

        <property
name="hibernate.connection.driver_class">com.mysql.jd
bc.Driver</property>
        <property
name="hibernate.connection.url">jdbc:mysql://localhos
t:3306/sys</property>
        <property
name="hibernate.connection.username">root</property>
        <property
name="hibernate.connection.password">root</property>
```

```xml
            <property
name="hibernate.dialect">org.hibernate.dialect.MySQLD
ialect</property>
            <property
name="hbm2ddl.auto">create</property>
            <property name="show_sql">true</property>

            <mapping class="com.test.User"></mapping>
            <mapping class="com.test.Policy"></mapping>

    </session-factory>
</hibernate-configuration>
```

Pom.xml

```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>map</groupId>
    <artifactId>OneToManyMapping</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <dependencies>
        <dependency>
            <groupId>org.hibernate</groupId>
            <artifactId>hibernate-core</artifactId>
            <version>4.3.5.Final</version>
        </dependency>

        <dependency>
            <groupId>mysql</groupId>
            <artifactId>mysql-connector-
java</artifactId>
```

```xml
            <version>8.0.21</version>
        </dependency>
    </dependencies>
</project>
```