Write a Java program to create a class user with some properties like userld, username, address and salary and persist it in the database and demonstrate Hibernate caching using Ehcache as the cache provider.

[Hint: Insert two records into the database, then activate the second-level cache and fetch the same objects using distinct session instances.]

User.java

```
package com.hibernateAssociation;
import javax.persistence.*;
@Cache (usage = CacheConcurrencyStrategy.READ WRITE)
   @GeneratedValue(strategy = GenerationType.IDENTITY)
            super();
           return userId;
```

```
public void setUsername(String username) {
    this.username = username;
}

public String getAddress() {
    return address;
}

public void setAddress(String address) {
    this.address = address;
}

public double getSalary() {
    return salary;
}

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

MainApp.java

```
package com.hibernateAssociation;
import org.hibernate.Session;
import org.hibernate.Transaction;
import org.hibernate.cfg.Configuration;

public class MainApp {

    public static void main(String[] args) {
        Long userId1 = saveUser("John Doe", "123 Main St", 50000.0);
        Long userId2 = saveUser("Jane Smith", "456 Oak St", 60000.0);

        closeSession();

        Session session = openSession();

        User user1 = loadUser(userId1);
        System.out.println("User 1: " + user1.getUsername());

        User user2 = loadUser(userId2);
        System.out.println("User 2: " + user2.getUsername());

        closeSession();
    }

    private static Long saveUser(String username, String address, double salary) {
        Session session = openSession();
        Transaction transaction = null;
    }
}
```

```
Long userId = null;
           transaction = session.beginTransaction();
           User user = new User();
           user.setUsername(username);
           user.setAddress(address);
           user.setSalary(salary);
           transaction.commit();
               transaction.rollback();
           closeSession();
       return userId;
Configuration().configure().buildSessionFactory().openSession();
```