

```
public class SimpleClient {

    public static void main(String[] args) {
        Person p1 = new SmartPerson();
        SmartPerson p2 = new SmartPerson("Marco Pantani");
        Person p3 = new OsuStudent();
        SmartPerson p4 = new OsuStudent("Galileo Galilei", 14);

        System.out.println(p1.showInfo()); // calls SmartPerson's method
        System.out.println(p2.showInfo()); // calls SmartPerson's method
        System.out.println(p3.showInfo()); // calls OsuStudent's method
        System.out.println(p4.showInfo()); // calls OsuStudent's method

        System.out.println("=====");

        Person[] csePeople = new Person[10];
        for (int i = 0; i < 5; i++) {
            csePeople[i * 2] = new SmartPerson("Fausto " + i + " Coppi");
            csePeople[i * 2 + 1] = new OsuStudent("Leonardo da Vinci", i);
        }
        for (Person p : csePeople) {
            System.out.println(p.showInfo());
        }

        System.out.println("Now the same loop, casting to base class:");
        for (Person p : csePeople) {
            System.out.println(((SmartPerson) p).showInfo());
        }
    }
}
```