

```
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());  
        }  
    }  
}
```