```java
package oop2;

import java.util.Arrays;
import java.util.Comparator;

// package-level
class Person {
    private String name;
    private int age;

    public Person(String name, int age) {
        super();
        this.name = name;
        this.age = age;
    }

    @Override
    public String toString() {
        return "Person [name=" + name + ", age=" + age + "]";
    }

    public String getName() {
        return name;
    }

    public int getAge() {
        return age;
    }
}


class CompareNames implements Comparator<Person> {
    @Override
    public int compare(Person p1, Person p2) {
        return p1.getName().compareTo(p2.getName());
    }
}

class CompareAges implements Comparator<Person> {
    @Override
    public int compare(Person p1, Person p2) {
        return p1.getAge() - p2.getAge();
    }
}

public class TestPerson {
    public static void main(String[] args) {
        Person[] people = { new Person("Andy", 30),
                            new Person("Mark", 20),
```

```java
                              new Person("Scott", 50),
                              new Person("Bill", 25) };

        Arrays.sort(people, new CompareNames());

        for(var p  : people)
            System.out.println(p);

        Arrays.sort(people,
            new Comparator<Person> () {
                public int compare(Person p1, Person p2) {
                    return p1.getAge() - p2.getAge();
                }
        });

        Arrays.sort(people, (p1,p2) -> p1.getAge() - p2.getAge());


        for(var p   : people)
            System.out.println(p);

    }

}
```