

//Program to demonstrate Person entity using Comparator interface

```
package com.tnsif.collection.comparable_comparator;
```

```
import java.util.Comparator;
```

```
public class Person {  
    private String name;  
    private String city;
```

```
    public String getName() {  
        return name;  
    }
```

```
    public void setName(String name) {  
        this.name = name;  
    }
```

```
    public String getCity() {  
        return city;  
    }
```

```
    public void setCity(String city) {  
        this.city = city;  
    }
```

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

```
    public Person(String name, String city) {  
        super();  
        this.name = name;
```

```
    this.city = city;  
}
```

```
public Person() {  
    super();  
    // TODO Auto-generated constructor stub  
}  
}
```

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

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