

1. Java Comparators

Comparators are used to compare two objects. In this challenge, you'll create a comparator and use it to sort an array.

You must elaborate the solution in the following package:

```
com.citi.sg.recruitment
├── exercise1.comparator
│   ├── Checker.java
│   ├── Main.java
│   └── Player.java
```

NOTE: You should not modify the `Player` class and `Main` class

The `Player` class is provided for you in your editor. It has **2** fields: a **name** String and a **score** integer.

Given an array of `Player` objects, write a comparator that sorts them in order of decreasing score; if **2** or more players have the same score, sort those players alphabetically by name. To do this, you must create a `Checker` class that implements the `Comparator` interface, then write an `int compare(Player a, Player b)` method implementing the `Comparator.compare(T o1, T o2)` method.

Input Format

Input from stdin is handled by the locked stub code in the `Solution` class.

The first line contains an integer **n**, denoting the number of players.
Each of the subsequent lines contains a player's **name** and **score**, respectively.

Constraints

- $0 \leq \text{score} \leq 1000$
- **2** players can have the same name.
- Player names consist of lowercase English letters.

Output Format

You are not responsible for printing any output to **stdout**. The locked stub code in `Solution` will create a `Checker` object, use it to sort the `Player` array, and print each sorted element.

Sample Input	Sample Output
5 amy 100 david 100 heraldo 50 aakashsha 75 aleksa 150	aleksa 150 amy 100 david 100 aakashsha 75 heraldo 50