|  |
| --- |
| import java.util.\*; |
|  |  |
|  | class Person{ |
|  | private String name; |
|  | private int height; |
|  | private double weight; |
|  | public Person(String name, int height, double weight) { |
|  | this.name = name; |
|  | this.height = height; |
|  | this.weight = weight; |
|  | } |
|  |  |
|  | public String getName() { |
|  | return name; |
|  | } |
|  |  |
|  | public int getHeight() { |
|  | return height; |
|  | } |
|  |  |
|  |  |
|  | public double getWeight() { |
|  | return weight; |
|  | } |
|  | } |
|  | class Sort implements Comparator<Person> { |
|  |  |
|  | @Override |
|  | public int compare(Person p1, Person p2) { |
|  | if (p1.getWeight() > p2.getWeight()) |
|  | return 1; |
|  | else if (p1.getWeight() == p2.getWeight()) { |
|  | if (p1.getHeight() > p2.getHeight()) |
|  | return 1; |
|  | else |
|  | return -1; |
|  | } |
|  |  |
|  | return -1; |
|  |  |
|  | } |
|  | } |
|  |  |
|  | public class Assignment3Q1 { |
|  |  |
|  | public static void main(String[] args) { |
|  | TreeSet<Person> ts = new TreeSet<Person>(new Sort()); |
|  | ts.add(new Person("Ram", 162, 62.5)); |
|  | ts.add(new Person("Shyam", 165, 64.0)); |
|  | ts.add(new Person("Ghanshyam", 170, 58.9)); |
|  | ts.add(new Person("Om", 166, 58.9)); |
|  | ts.add(new Person("Ajay", 174, 74.1)); |
|  | ts.add(new Person("Ramu", 160, 55.5)); |
|  |  |
|  | for (Person i : ts) { |
|  | System.out.println(i.getName() +", "+ i.getHeight() +", "+ i.getWeight()); |
|  | } |
|  | } |
|  |  |
|  | } |