COMPARATOR AND COMPARABLE

class animal implements Comparable<animal>{  
 String name;  
 int age;  
 int weight;  
  
 public String getName() {  
 return name;  
 }  
  
 public int getWeight() {  
 return weight;  
 }  
  
 public int getAge() {  
 return age;  
 }  
  
 animal(String name, int age, int weight){  
 this.name=name;  
 this.age=age;  
 this.weight=weight;  
 }  
  
 @Override  
 public String toString() {  
 return "animal{" +  
 "name='" + name + '\'' +  
 ", age=" + age +  
 ", weight=" + weight +  
 '}'+'\n';  
 }  
  
 @Override  
 public int compareTo(animal that) {  
 if(this.age==that.age){  
 return this.name.compareTo(that.name);  
 }  
 return this.age-that.age;  
 }  
}  
  
public class Main {  
 public static void main(String[] args) throws java.lang.Exception{  
animal a=new animal("leo",5,12);  
animal a1=new animal("bruno",2,11);  
animal a2=new animal("maxo",5,9);  
animal a3=new animal("kira",7,13);  
  
// List<animal> list=new ArrayList<>();  
// list.add(a);  
// list.add(a1);  
// list.add(a2);  
// list.add(a3);  
// System.out.println(list);  
// Collections.sort(list, Comparator.comparing(animal::getAge).thenComparing(animal :: getWeight));  
//  
//  
// System.out.println(list);  
  
 int[][] arr={{1,7,2},  
 {1,7,5},  
 {1,7,3}  
 };  
 Arrays.*sort*(arr,(arr1,arr2)->{  
 int i=0;  
 for(i=0;i<arr.length;i++){  
 if(arr1[i]!=arr2[i]){  
 break;  
 }  
 }  
 return Integer.*compare*(arr1[i],arr2[i]);  
 });  
 for(int i=0;i<arr.length;i++){  
 for(int j=0;j<arr.length;j++){  
 System.*out*.print(arr[i][j]+" ");  
 }  
  
 System.*out*.println();  
 }  
 }  
  
}