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package StufafterArrays;

public class Student
implements Comparable <Student> {

	private String name;
	private int age;
	public Student (String s, int a) {
		name = s;
		age = a;
	}


	public int compareTo(Student s) {
		// TODO Auto-generated method stub
		if (this.name.compareTo(s.name) < 0) {
			return -1;
		}
		else if (this.name.compareTo(s.name) > 0) {
			return 1;
		}
		else {
			if (this.age < s.age) {
				return -1;
			}
			else if (this.age > s.age) {
				return 1;
			}
			else {
				return 0;
			}
		}
	}

	public String toString() {
		return name + ", " + age;
	}


}
package StufafterArrays;
import java.util.*;
public class StudentCompare {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Student s1 = new Student ("Joe",15);
		Student s2 = new Student ("Joe",16);
		Student s3 = new Student ("Jan",17);
		Student s4 = new Student ("Zob", 12);
		int a = 0;

		ArrayList<Student> students = new ArrayList<Student> ();
		students.add(s2);
```

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		students.add(s1);
		students.add(s3);
		students.add(s4);
		//System.out.print(students.get(0).compareTo(students.get(2)));

		ArrayList<Student> newstudents = new ArrayList <Student> ();

		while (students.size() > 0) {

			a = 0;

			for (int i = 0; i < students.size(); i++) {
				if (students.get(i).compareTo(students.get(a)) < 0) {
					a = i;
				}
			}

			newstudents.add(students.get(a));
			students.remove(a);
		}


		for (int b = 0; b < newstudents.size(); b++) {
			System.out.println(newstudents.get(b));
		}



	}
}
```