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1.
package studentQuestion;

public class Student implements Comparable<Student>{
    int id;
    String name;
    double marks;

    //Constructor
    public Student(int id, String name, double marks) {
        this.id = id;
        this.name = name;
        this.marks = marks;
    }

    public int getId() {
        return id;
    }

    public String getName() {
        return name;
    }

    public double getMarks() {
        return marks;
    }

    @Override
    public String toString() {
        return "Student{" +
            "id=" + id +
            ", name='" + name + '\'' +
            ", marks=" + marks +
            '}';
    }

    //Overriding compareTo method to sort students by marks
    and if marks are same then will sort by name
    @Override
    public int compareTo(Student other){
        //compare by marks
        if(this.marks != other.marks){
            return Double.compare(other.marks, this.marks);
// Sorting in descending order
        }

        // If marks are same, compare by name
        return this.name.compareTo(other.name);
    }
}

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}
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package studentQuestion;

import java.util.ArrayList;
import java.util.Collections;
import java.util.List;

public class StudentSort {
    public static void main(String[] args) {
        List<Student> students = new ArrayList<>();
        students.add(new Student(1, "Krishna", 85.6));
        students.add(new Student(2, "Govind", 90.0));
        students.add(new Student(3, "Gopal", 85.6));
        students.add(new Student(4, "Soham", 70.0));
        students.add(new Student(5, "Mayur", 95.0));

        //Sorting
        Collections.sort(students);

        //Displaying
        System.out.println("Students after sorting: ");
        for (Student s : students){
            System.out.println(s);
        }
    }
}
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last:
package charAtQuestion;

import java.util.Comparator;

public class FirstCharComparator implements Comparator<String>
{
    @Override
    public int compare(String s1, String s2){
        return Character.compare(s1.charAt(0), s2.charAt(0));
    }
    // comparing based on first character
}
}
```

```
package charAtQuestion;

import java.util.Arrays;
import java.util.Collections;
import java.util.List;

public class SortByChar {
    public static void main(String[] args) {
        List<String> words = Arrays.asList("Banana", "Apple",
"Cherry", "Avocado", "PineApple");

        // Sorting list
        Collections.sort(words,new FirstCharComparator());

        System.out.println("Sorted Strings by 1st character :
"+ words);
    }
}
```