package Collections.List;  
import java.util.ArrayList;  
import java.util.Collections;  
import java.util.Comparator;  
import java.util.List;  
  
class Employee {  
  
 Integer id;  
 String name;  
  
 public Employee(Integer id, String name) {  
 this.id = id;  
 this.name = name;  
 }  
 public String toString()  
 {  
 return this.id + " " + this.name ;  
  
 }  
}  
class SortById implements Comparator<Employee> {  
 // Used for sorting in ascending order of ID  
 public int compare(Employee a, Employee b)  
 {  
 return a.id.compareTo(b.id);  
// return a.name.compareToIgnoreCase(b.name);  
 }  
}  
  
// Main class  
public class SortingForListObjects {  
 static int *i*=1;  
 public static void main (String[] args) {  
 List<Employee> list = new ArrayList<Employee>();  
 Employee employee1 = new Employee(15019, "Patanjali");  
 Employee employee2 = new Employee(13198, "Geetanjali");  
 Employee employee3 = new Employee(12112, "Anjali");  
 list.add(employee1);  
 list.add(employee2);  
 list.add(employee3);  
 System.*out*.println("Unsorted List : ");  
 for (Employee val : list) {  
 System.*out*.println(*i*++ +". "+val);  
 }  
 Collections.*sort*(list, new SortById());  
 System.*out*.println();  
 System.*out*.println(" Sorted List : ");  
 int i=1;  
 for (Employee val : list) {  
 System.*out*.println(i++ +". "+val);  
 }  
 }  
}

**Output**

**C:\Users\Roystan\.jdks\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\lib\idea\_rt.jar=59148:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.3\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\Roystan\IdeaProjects\JavaWorkspace\out\production\JavaWorkspace Collections.List.SortingForListObjects**

**Unsorted List :**

**1. 15019 Patanjali**

**2. 13198 Geetanjali**

**3. 12112 Anjali**

**Sorted List :**

**1. 12112 Anjali**

**2. 13198 Geetanjali**

**3. 15019 Patanjali**

**Process finished with exit code 0**