package Collections.List;  
  
import java.util.ArrayList;  
import java.util.Collections;  
import java.util.Comparator;  
import java.util.\*;  
  
class EmployeePQ {  
  
 Integer id;  
 String name;  
  
 public EmployeePQ(Integer id, String name) {  
 this.id = id;  
 this.name = name;  
 }  
  
 public String toString() {  
 return this.id + " " + this.name;  
  
 }  
}  
  
class SortByIdPQ implements Comparator<EmployeePQ> {  
 // Used for sorting in ascending order of ID  
 public int compare(EmployeePQ a, EmployeePQ b) {  
 return a.id.compareTo(b.id);  
 //String comparision  
// return a.name.compareToIgnoreCase(b.name);  
 }  
}  
  
// Main class  
public class PriorityQueueComparator {  
 static int *i* = 1;  
  
 public static void main(String[] args) {  
 PriorityQueue<EmployeePQ> priorityQueue = new PriorityQueue<EmployeePQ>(5, new SortByIdPQ());  
 EmployeePQ employee1 = new EmployeePQ(15019, "Patanjali");  
 EmployeePQ employee2 = new EmployeePQ(13198, "Geetanjali");  
 EmployeePQ employee3 = new EmployeePQ(12112, "Anjali");  
 priorityQueue.add(employee1);  
 priorityQueue.add(employee2);  
 priorityQueue.add(employee3);  
 System.*out*.println("Unsorted List : ");  
 for (EmployeePQ val : priorityQueue) {  
 System.*out*.println(*i*++ + ". " + val);  
 }  
 }  
}

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=61030: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.PriorityQueueComparator

Unsorted List :

1. 12112 Anjali

2. 15019 Patanjali

3. 13198 Geetanjali

Process finished with exit code 0