package Collections.Sets;  
  
import java.util.HashSet;  
  
public class HashSetDemo {  
 public static void main(String[] args) {  
 HashSet<Student> studentList= new HashSet<Student>();  
 Student leevan=new Student("Leevan", 3);  
 Student venkat=new Student("Venkat",5);  
 Student jeevan=new Student("jeevan",5);  
 Student leevan2=new Student("Leevan", 2);  
 studentList.add(leevan);  
 studentList.add(venkat);  
 studentList.add(jeevan);  
 studentList.add(leevan2);  
 System.*out*.println(studentList);  
 }  
}  
  
class Student {  
 private String studentName;  
 private int id;  
  
 public Student(String studentName,int id){  
 this.studentName=studentName;  
 this.id=id;  
 }  
  
 public String getStudentName(){  
 return studentName;  
 }  
 public int getId(){  
 return id;  
 }  
  
 public boolean equals(Object s1){  
 Student k=(Student) s1;  
 return this.id==k.id;  
 }  
  
 public int hashCode(){  
 return id;  
 }  
  
 @Override  
 public String toString() {  
 return "Name:"+this.studentName+" id:"+this.id;  
 }  
}

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=61054: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.Sets.HashSetDemo

[Name:Leevan id:2, Name:Leevan id:3, Name:Venkat id:5]

Process finished with exit code 0