public class Student extends Person implements Comparable<Student> {

// Variables

public int studentNumber;

public int grade;

// Constructor

Student(String firstName, String lastName, int phoneNumber, int studentNumber, int grade)

{

super(firstName, lastName, phoneNumber);

this.studentNumber = studentNumber;

this.grade = grade;

}

// Print Info

public void printInfo()

{

super.printInfo();

System.out.println("Student ID: #" + studentNumber);

System.out.println("Grade: " + grade);

}

// Student Comparison Method (non-static)

public boolean compareWith(Student that)

{

if(this.studentNumber == that.studentNumber)

return true;

return false;

}

// Comparable For Sorting (sorts by last name > first name > grade > student number > phone number)

@Override

public int compareTo(Student that) {

int comp = this.lastName.compareTo(that.lastName);

if(comp == 0)

{

comp = this.firstName.compareTo(that.firstName);

if(comp == 0)

{

comp = Integer.compare(this.grade, that.grade);

if(comp == 0)

{

comp = Integer.compare(this.studentNumber, that.studentNumber);

if(comp == 0)

comp = Integer.compare(this.phoneNumber, that.phoneNumber);

}

}

}

return comp;

}

}