public class Staff extends Person implements Comparable<Staff> {

// Variables

int staffNumber;

double salary;

// Constructor

Staff(String firstName, String lastName, int phoneNumber, int staffNumber, double salary)

{

super(firstName, lastName, phoneNumber);

this.staffNumber = staffNumber;

this.salary = salary;

}

// Print Info

public void printInfo()

{

super.printInfo();

System.out.println("Staff Number: " + staffNumber);

System.out.println("Salary: $" + salary + hangingZero(salary));

}

// Staff Comparison Method (static)

public static boolean compare(Staff one, Staff two)

{

if(one.staffNumber == two.staffNumber)

return true;

return false;

}

// Hanging-Zero Formatting Check

public static String hangingZero(double amount)

{

if((amount\*10.0)%1.0==0)

return "0";

return "";

}

// Comparable For Sorting (sorts by last name > first name > staff number > phone number > salary)

@Override

public int compareTo(Staff that) {

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

if(comp == 0)

{

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

if(comp == 0)

{

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

if(comp == 0)

{

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

if(comp == 0)

comp = Double.compare(this.salary, that.salary);

}

}

}

return comp;

}

}