**Calculation Methods**

In our OlympicCountry problem we now have an array of OlympicCountry data. What if we want to calculate a specific country’s total score if gold is worth 3 points, silver is worth 2 points, and bronze is worth 1 point?

**toString Method**

How can we output the values of all data members for a single object?

Better way:

To output the values in main:

public class Processing

{

public static void main(String[ ] args)

{

OlympicCountry= new OlympicCountry(“Netherlands”,100,78,96);

//output everything about auto using toString method

System.out.println(

}

}

**Checking Equality**

How do I know if two Olympic Countries are actually the same country?

OlympicCountry country1 = new OlympicCountry(“Germany”,10,76,27);

OlympicCountry country2 = new OlympicCountry(“Germany”,10,76,27);

if(

System.out.print(“They are the same country”);

What if they are only the same if they have the same country name?

What if they are only the same if they have the same country name and every medal count is the same?

**Comparisons**

How do we instead alphabetize them? How could we put them in sorted order?

OlympicCountry country1 = new OlympicCountry(“Germany”,10,76,27);

OlympicCountry country2 = new OlympicCountry(“Germany”,10,76,27);

if(

System.out.print(“country1 comes first alphabetically”);