

```

1 // Determines the bigger of two values.
2 // Coping with equal values should also be coded.
3 // Comparing values that are double can lead to unpredictable outcomes.
4 // Always try to compare integer with integer.
5
6 public class CriticalTwo
7 {
8     public static void main (String[]args)
9     {
10         int value1 = 20;
11         int value2 = 21;
12         int bigger = 0;
13         boolean equal = false; // Using boolean can be useful troubleshooting large complex programs.
14
15         if (value1 == value2)
16             equal = true;
17
18         if (equal == true)
19             System.out.println("The values are of equal size.");
20
21         else
22         {
23             if (value1 > value2)
24             {
25                 bigger = value1;
26                 System.out.println("The first value is bigger i.e. " + bigger);
27             }
28
29             if (value2 > value1)
30             {
31                 bigger = value2;
32                 System.out.println("The second value is bigger i.e. " + bigger);
33             }
34
35         } // end else
36     } // end main
37 } // end class

```