```
File - /Users/alu/Documents/dev/intellij-projects/edu_java-programming-masterclass/04-56_CodingExercise5_DecimalComperator_casting/src/Main.java
 1 public class Main {
 3
 4
         * Main
 5
          * <u>@param</u> args
 6
7
         public static void main(String[] args) {
8
9
10
11
12
13
14
              double valueOne = 3.175d;
              double valueTwo = 3.175d;
             boolean areEqualByThreeDecimalPlaces = DecimalComparator.areEqualByThreeDecimalPlaces(valueOne, valueTwo);
System.out.println("Are the values equal by three decimal places?");
System.out.println(areEqualByThreeDecimalPlaces);
15
16
        }
17 }
18
19
20
21
22
23
     * DecimalComparator
    * areEqualByThreeDecimalPlaces(double valueOne, double valueTwo)
24
25 class DecimalComparator {
26
27
          * areEqualByThreeDecimalPlaces()
29
          * Check if two double numbers are the same up to three decimal places.
30
            @param valueOne double one
31
32
33
34
35
36
37
38
39
40
41
42
43
44 }
          * @param valueTwo double two
          * <u>@return</u> valueOne and valueTwo are the same up to three decimal places (true) or not (false)
         public static boolean areEqualByThreeDecimalPlaces(double valueOne, double valueTwo) {
             valueOne = valueOne * 1000; // double
             valueTwo = valueTwo * 1000; // double
              int valueOneInt = (int) (valueOne); // (cast to int)
             int valueTwoInt = (int) (valueTwo); // (cast to int)
```

return valueOneInt == valueTwoInt; // return true if equal

}