Trevor Zellmer Intermediate Java Week12 Take Home Problem 04/10/2024

All of the outputs are sorted correctly, and everything seems to be working as it should. I used an unconventional trick to get this to work, but it works reliably. The top 5 perimeter list is correct and the area list is also correct.

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теппінаі пеір
J ShapeTestDrive.java U X
src > java111 > week12 > 🔳 ShapeTestDrive.java > 😭 ShapeTestDrive > 😭 main(String[])
        import java.util.Arrays;
        import java.util.Collections;
        public class ShapeTestDrive {
             Run | Debug
             public static void main(String[] args){
             Circle circle = new Circle(radius:5.0);
             Rectangle rectangle = new Rectangle(length:7.0, width:9.0);
             Square square = new Square(sideLength:10.0);
         RightTriangle rightTriangle = new RightTriangle(base:2.0,height:8.0);
  10
             Rectangle rectangle2 = new Rectangle(length:10.0,width:10.0);
             Shape[] shapes = {
PROBLEMS 19 OUTPUT DEBUG CONSOLE TERMINAL
[remllez@archtop intermediate]$ ./run.sh week12 ShapeTestDrive
All shapes:
Circle has an area of 78.54m^2 and a perimeter of 31.42m
Rectangle has an area of 63.00m<sup>2</sup> and a perimeter of 32.00m
Square has an area of 100.00m^2 and a perimeter of 40.00m
RightTriangle has an area of 8.00m^2 and a perimeter of 18.25m
Rectangle has an area of 100.00m<sup>2</sup> and a perimeter of 40.00m
Shapes by area:
RightTriangle has an area of 8.00m<sup>2</sup> and a perimeter of 18.25m
Rectangle has an area of 63.00m^2 and a perimeter of 32.00m
Circle has an area of 78.54m^2 and a perimeter of 31.42m Square has an area of 100.00m^2 and a perimeter of 40.00m
Rectangle has an area of 100.00m<sup>2</sup> and a perimeter of 40.00m
Top 5 shapes by permimeter:
1. Square has an area of 100.00m^2 and a perimeter of 40.00m
2. Rectangle has an area of 100.00m^2 and a perimeter of 40.00m
3. Rectangle has an area of 63.00m^2 and a perimeter of 32.00m
4. Circle has an area of 78.54m<sup>2</sup> and a perimeter of 31.42m
5. RightTriangle has an area of 8.00m<sup>2</sup> and a perimeter of 18.25m
[remllez@archtop intermediate]$
```