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Perimeter.java ×
 1 package person;
                                                                                                                             person

→ Q. Perimeter

       class Perimeter {

    calculatePerimeter1(double): double

    calculatePerimeter(double, double) : double

            // Method to calculate the perimeter of a square

    calculatePerimeter(double) : double

 60
            public double calculatePerimeter1(double side) {
                return 4 * side; // Perimeter of square = 4 * side
                                                                                                                               main(String[]): void
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            // Method to calculate the perimeter of a rectangle
119
            public double calculatePerimeter(double length, double breadth) {
                return 2 * (length + breadth); // Perimeter of rectangle = 2 * (length + breadth)
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            // Method to calculate the perimeter of a circle (using Math.PI for better precision)
15
            public double calculatePerimeter(double radius) {
    return 2 * Math.PI * radius; // Perimeter of circle = 2 * π * radius
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            // Main method to test the function overloading
            public static void main(String[] args) {
                // Create an object of Perimeter class
                Perimeter perimeterCalculator = new Perimeter();
                // Calculate and display the perimeter of a square with side 5
                double squarePerimeter = perimeterCalculator.calculatePerimeter1(5.0);
                System.out.println("Perimeter of the square: " + squarePerimeter);
29
                // Calculate and display the perimeter of a rectangle with length 6 and breadth 4
30
                double rectanglePerimeter = perimeterCalculator.calculatePerimeter(6.0, 4.0);
                System.out.println("Perimeter of the rectangle: " + rectanglePerimeter);
                                                                                                                        @ Javadoc № Declaration □ Console ×
<terminated> Perimeter [Java Application] C:\Users\josej\Downloads\spring-tool-suite-4-4.26.0.RELEASE-e4.33.0-win32.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_
```

erimeter.java - Spring Tool Suite 4

Perimeter of the square: 20.0 Perimeter of the rectangle: 20.0 Perimeter of the circle: 28.0



