



Perimeter.java x

package person;

class Perimeter {

// Method to calculate the perimeter of a square

public double calculatePerimeter1(double side) {

return 4 * side; // Perimeter of square = 4 * side

}

// Method to calculate the perimeter of a rectangle

public double calculatePerimeter(double length, double breadth) {

return 2 * (length + breadth); // Perimeter of rectangle = 2 * (length + breadth)

}

// Method to calculate the perimeter of a circle (using Math.PI for better precision)

public double calculatePerimeter(double radius) {

return 2 * Math.PI * radius; // Perimeter of circle = 2 * π * radius

}

// 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);

// Calculate and display the perimeter of a rectangle with length 6 and breadth 4

double rectanglePerimeter = perimeterCalculator.calculatePerimeter(6.0, 4.0);

System.out.println("Perimeter of the rectangle: " + rectanglePerimeter);

Outline x

person

Perimeter

calculatePerimeter1(double) : double

calculatePerimeter(double, double) : double

calculatePerimeter(double) : double

main(String[]) : void

Eclipse IDE Declaration Console x

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

Perimeter of the square: 20.0

Perimeter of the rectangle: 20.0

Perimeter of the circle: 28.0

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- project/src/rkyr/create.java - Spring Tool Suite 4

Search Project Run Window Help



create.java ×

```
41 // Method to display customer details and the final amount
42 void display() {
43     System.out.println("\nCustomer Name: " + name);
44     System.out.println("Mobile Number: " + mobno);
45     System.out.println("Amount to be paid after discount: " + amount);
46 }
47
48 public static void main(String[] args) {
49     // Create object of ShowRoom class
50     create customer = new create();
51
52     // Call the member methods
53     customer.input();
54     customer.calculate();
55     customer.display();
56 }
57 }
58
59
60
61
62
```

create customer - rkyr.create.main (String[])

Outline ×

rkyr

- create
 - name : String
 - mobno : long
 - cost : double
 - dis : double
 - amount : double
 - create()
 - input() : void
 - calculate() : void
 - display() : void
 - main(String[]) : void

Problems Javadoc Declaration Console ×

<terminated> create [Java Application] C:\Users\ELCOT\Desktop\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v

```
Enter customer name: yohidha
Enter mobile number: 8656384667
Enter the cost of purchased items: 87690

Customer Name: yohidha
Mobile Number: 8656384667
Amount to be paid after discount: 70152.0
```