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indow <u>H</u>elp
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■ ▼ N ▼ | # Ø ▼ | * Ø ▼ | * Ø ▼ | Ø ▼ Ø ▼ Ø ▼ Ø ▼ | ඦ
                                                                                                                                                                                                                                                                                                  E 12 X X . . X 8 - E
                                                                                                                                                                                                                                                  □ □ B Outline ×

☑ Volumecalculator.java ×

⊕ overload

 1 package overload; // Place the package declaration at the top

→ O<sub>B</sub> Volumecalculator
 3 import java.util.Scanner; // Correctly placed import for Scanner class
                                                                                                                                                                                                                                                                        volume(double) : double

    volume(double, double) : double

5 public class Volumecalculator { // Capitalized class name as per Java conventions 6

    volume(double, double, double): double

                                                                                                                                                                                                                                                                         e s main(String[]): void
                // Method to calculate the volume of a sphere
              public double volume(double r) {
    // Formula: V = (4 / 3) * π * r^3
    return (4.0 / 3.0) * Math.PI * Math.pow(r, 3); // Use Math.pow for r^3
89
10
11
12
                // Method to calculate the volume of a cylinder
13
               public double volume(double h, double r) {
149
                       // Formula: V = \pi * r^2 * h
15
                        return Math.PI * Math.pow(r, 2) * h; // Use Math.pow for r^2
16
18
               // Method to calculate the volume of a cuboid
19
              public double volume(double 1, double b, double h) {
200
                        // Formula: V = 1 * b * h
21
                       return 1 * b * h;
22
23
24
250
              public static void main(String[] args) {
                       // Create a Scanner object to get user input
26
                       Scanner scanner = new Scanner(System.in);
28
                           / Create an instance of the Volumecalculator class to access the volume methods
                       Volumecalculator vCalc = new Volumecalculator();
30
                        0 = x % | 1 = 0 - 0 - 0 - 0
Problems @ Javadoc 🚇 Declaration 🖳 Console 🗵
terminated > Volumecalculator [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\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.jpustj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.jpustj.openjdk.hotspot.jre.full.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpu
nter the radius of the sphere:
olume of the sphere: 113.09733552923254
nter the radius and height of the cylinder: 3 5
olume of the cylinder: 141.3716694115407
nter the length, breadth, and height of the cuboid: 4 7 3
olume of the cuboid: 84.0
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Volumecalculator.java - Spring Tool Suite 4

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Q 181
② voidcalculatejava ×

y else 11 (cost > 10000 aa cost <- 20000) {

40 40 40 cost to 10000 ac cost to 100000 ac cost to 10000 ac cost to 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              E 12 x x 0 x 8 =
                                                                                                                                                                                                                                                                                                                                                                                                                    □ 🖺 Outline ×
                                                        dis = cost * 0.10; // 10% discount
 46
                                                                                                                                                                                                                                                                                                                                                                                                                                         47
                                           } else if (cost > 20000 && cost <= 35000) {
    48
                                                        dis = cost * 0.15; // 15% discount
                                                                                                                                                                                                                                                                                                                                                                                                                                                        △ name : String
    49
                                                                                                                                                                                                                                                                                                                                                                                                                                                        △ mobno: long
    50
                                                        dis = cost * 0.20; // 20% discount
                                                                                                                                                                                                                                                                                                                                                                                                                                                       a cost : double
    51
                                                                                                                                                                                                                                                                                                                                                                                                                                                        A dis: double
    52
                                                                                                                                                                                                                                                                                                                                                                                                                                                        amount: double
    53
                                             // Calculating the final amount after discount
                                                                                                                                                                                                                                                                                                                                                                                                                                                        o voidcalculate()
    54
                                             amount = cost - dis;
    55
                                                                                                                                                                                                                                                                                                                                                                                                                                                      input(): void
     56
                                                                                                                                                                                                                                                                                                                                                                                                                                                         calculate(): void
     57
                                // Method to display customer details and amount to be paid
                                                                                                                                                                                                                                                                                                                                                                                                                                                        display(): void
     580
                               public void display() {
                                                                                                                                                                                                                                                                                                                                                                                                                                                      main(String[]): void
                                             System.out.println("\n--- Customer Details ---");
                                             System.out.println("Customer Name: " + name);
System.out.println("Mobile Number: " + mobno);
     60
     61
                                             System.out.println("Amount to be paid after discount: Rs. " + amount);
     62
     63
     64
    65
66®
                                // Main method to create an object and call methods
                               public static void main(String[] args) {
     67
68
                                            // Create an instance of ShowRoom class
                                             voidcalculate customer = new voidcalculate();
     69
70
71
72
73
                                             // Call input, calculate, and display methods
                                             customer.input();
                                             customer.calculate();
                                              customer.display();
 74
      75 }
     76
                                                                                                                                                                                                                                                                                                                                                                                                                                 8 × × × | 1. . . | 9 | 9 | 8 | 8 | 7 | 7 | 7 | 8
   Problems @ Javadoc Declaration Console X
  <terminated> voidcalculate [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_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_e4\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk.hotspot.jpustj.openjdk
  Enter the cost of items purchased: 190000
     --- Customer Details ---
  Customer Name: rindhiya
  Mobile Number: 9685472314
  Amount to be paid after discount: Rs. 152000.0
```

Window Help

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                                                                                                                                                           Q # #
voidcalculate.java 🗓 students.java 🗡
                                                                                                                       □ □ □ Outline ×
                                                                                                                                              1 13 X X 0 X 8 - 0
0 public class students {
                                                                                                                                ⊕ oops
     public static void main(String[] args) {
18

→ Q Student

           // Scanner object to take input from the user
                                                                                                                                  name : String
          Scanner scanner = new Scanner(System.in);
                                                                                                                                  △ rollNo: int
           // Array to store 5 Student objects
                                                                                                                                  age: int
16
          Student[] students = new Student[5];
                                                                                                                                  a marks : double
7

    Student(String, int, int, double)

8
           // Input details for 5 students
                                                                                                                                   display(): void
39
           for (int i = 0; i < 5; i++) {
                                                                                                                              > O₁ students
10
               System.out.println("Enter details for student " + (i + 1) + ":");
11
12
               System.out.print("Enter name: ");
13
               String name = scanner.nextLine();
44
45
               System.out.print("Enter roll number: ");
46
               int rollNo = scanner.nextInt();
47
48
               System.out.print("Enter age: ");
49
50
51
52
53
54
55
56
               int age = scanner.nextInt();
               System.out.print("Enter marks: ");
               double marks = scanner.nextDouble();
               scanner.nextLine(); // Consume the newline character after nextDouble()
                // Create a new Student object and store it in the array
               students[i] = new Student(name, rollNo, age, marks);
                System.out.println(); // For better readability between entries
59
            // N2--1--- J-4-21- - C -11 -4--J-
Problems @ Javadoc 🖳 Declaration 📮 Console 🗵
                                                                                                                            0 - x % & & 0 - 0 - 0 - 0 - 0
tudents [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_21.0.4.v2024080
Enter details for student 2:
Enter name: rindhiya
Enter roll number: 58
Enter age: 20
Enter marks: 91.3
     . . . . . . . . . . .
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иом пеір

