

The screenshot displays the Spring Tool Suite 4 IDE interface. The Package Explorer on the left shows the project structure with 'lab6' selected, containing files like 'Amstrong.java', 'palindrom.java', 'pattern.java', 'overload.java', 'showroom.java', 'string.java', 'volume.java', 'VolumeCalculator.java', and 'volumecalculator.java'. The main editor shows the 'VolumeCalculator.java' file with the following code:

```
29
30 // Calculate sphere volume
31 double radius = 5.0;
32 double sphereVolume = calculator.volume(radius);
33 System.out.println("Sphere Volume: " + sphereVolume);
34
35 // Calculate cylinder volume
36 double height = 10.0;
37 double cylinderVolume = calculator.volume(height, radius);
38 System.out.println("Cylinder Volume: " + cylinderVolume);
39
40 // Calculate cuboid volume
41 double length = 8.0;
42 double breadth = 6.0;
43 double cuboidVolume = calculator.volume(length, breadth, height);
44 System.out.println("Cuboid Volume: " + cuboidVolume);
45
46 }
47
48 }
49
50
51
```

The Outline on the right shows the 'lab6' package containing the 'VolumeCalculator' class with methods: 'PI : double', 'volume(double) : double', 'volume(double, double) : double', 'volume(double, double, double) : double', and 'main(String[]) : void'.

The Console at the bottom shows the output of the application:

```
<terminated> VolumeCalculator [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa3952.48535\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.
Sphere Volume: 523.8095238095237
Cylinder Volume: 785.7142857142857
Cuboid Volume: 480.0
```

The Boot Dashboard at the bottom left shows the 'local' environment selected.





