



Package Explorer X

- corejava
 - JRE System Library [JavaSE-21]
 - src
 - array
 - bank
 - calculator
 - employee
 - lab5
 - Amstrong.java
 - palindrom.java
 - pattern.java
 - packageoperator
 - student
 - module-info.java

urnaryprgm.java

module-info...

logicaloper...

RelationalO...

pattern.java X

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```
1 package lab5;
2
3 public class pattern {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int n = 4;
8         for (int i =1; i<=4; i++) { // for i loop
9
10             for (int k = 3; k>=i; k--) { //for space loop
11                 System.out.print(" ");
12             } //end space loop
13
14             for(int j =1; j<=i; j++) { //for j loop
15                 System.out.print("*");
16             } //end j loop
17
18             System.out.println();
19         } //end i loop
20     }
21
22 }
23
```

Outline X

- lab5
 - pattern
 - main(String[]): void

Boot Dashboard X

Type tags, projects, or working set names to match (incl. * an

local

Problems Javadoc Declaration Console X

<terminated> pattern [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_21.0.4.v20240



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 - pattern.java
 - lab6
 - overload.java
 - showroom.java
 - string.java
 - volume.java
 - VolumeCalculator.java
 - volumecalculator.java
 - packageoperator
 - student
 - module-info.java

volume.java

showroom.java

string.java

volumecalcul...

VolumeCalcul... X

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```
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
```

Outline X

- lab6
 - VolumeCalculator
 - PI : double
 - volume(double) : double
 - volume(double, double) : double
 - volume(double, double, double) : double
 - main(String[]) : void

Problems Javadoc Declaration Console X

```
<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
```

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Type tags, projects, or working set names to match (incl. * and ?)

local



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```
umaryprgm.java module-info... Employee.java pattern.java Armstrong.java X
1 package lab5;
2
3 import java.util.Scanner;
4
5 public class Armstrong {
6
7     public static void main(String[] args) {
8         // TODO Auto-generated method stub
9         // Create a Scanner object to take user input
10        Scanner scanner = new Scanner(System.in);
11
12        // Prompt user for a number
13        System.out.print("Enter a number: ");
14        int number = scanner.nextInt();
15
16        // Save the original number to compare later
17        int originalNumber = number;
18
19        // Find the number of digits in the number
20        int numDigits = 0;
21        while (number != 0) {
22            number /= 10; // Remove the last digit from the number
23            numDigits++; // Increment the digit count
24        }
25    }
26}
```

Outline X

- lab5
 - Amstrong
 - main(String[]) : void

Boot Dashboard X

Type tags, projects, or working set names to match (incl. * an

local

Problems Javadoc Declaration Console X

```
<terminated> Armstrong [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa2692.35917\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v20240722\jre\bin\java.exe
Enter a number: 74
74 is not an Armstrong number.
```