



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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Outline X

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

```
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
```

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

Boot Dashboard X



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

local

The screenshot displays the Spring Tool Suite 4 IDE interface. The Package Explorer on the left shows the project structure: `corejava` (JRE System Library [JavaSE-21]) with a source folder `src` containing packages `array`, `bank`, `calculator`, `employee`, and `lab5`. The `lab5` package contains the files `Amstrong.java`, `palindrom.java`, `pattern.java`, `packageoperator`, `student`, and `module-info.java`.

The main editor shows the `palindrom.java` file with the following code:

```
7 public static void main(String[] args) {  
8     // TODO Auto-generated method stub  
9  
10    Scanner scanner = new Scanner(System.in);  
11  
12    System.out.println("Enter a string: ");  
13    String str = scanner.nextLine();  
14  
15    str = str.toLowerCase();  
16  
17    boolean isPalindrome = true;  
18  
19    int length = str.length();  
20    for (int i = 0; i < length / 2; i++) {  
21        if (str.charAt(i) != str.charAt(length - 1 - i)) {  
22            isPalindrome = false;  
23            break;  
24        }  
25    }  
26  
27    if (isPalindrome) {  
28        System.out.println("The string is a palindrome.");  
29    } else {
```

The Outline view on the right shows the `lab5` package with the `palindrom` class and its `main(String[]): void` method.

The Console view at the bottom shows the program execution:

```
<terminated> palindrom [Java Application] C:\Users\DELL\AppData\Local\Temp\Rar$EXa2692.35917\sts-4.26.0.RELEASE\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v20230719\bin\java.exe  
Enter a string:  
meenamadam  
The string is a palindrome.
```