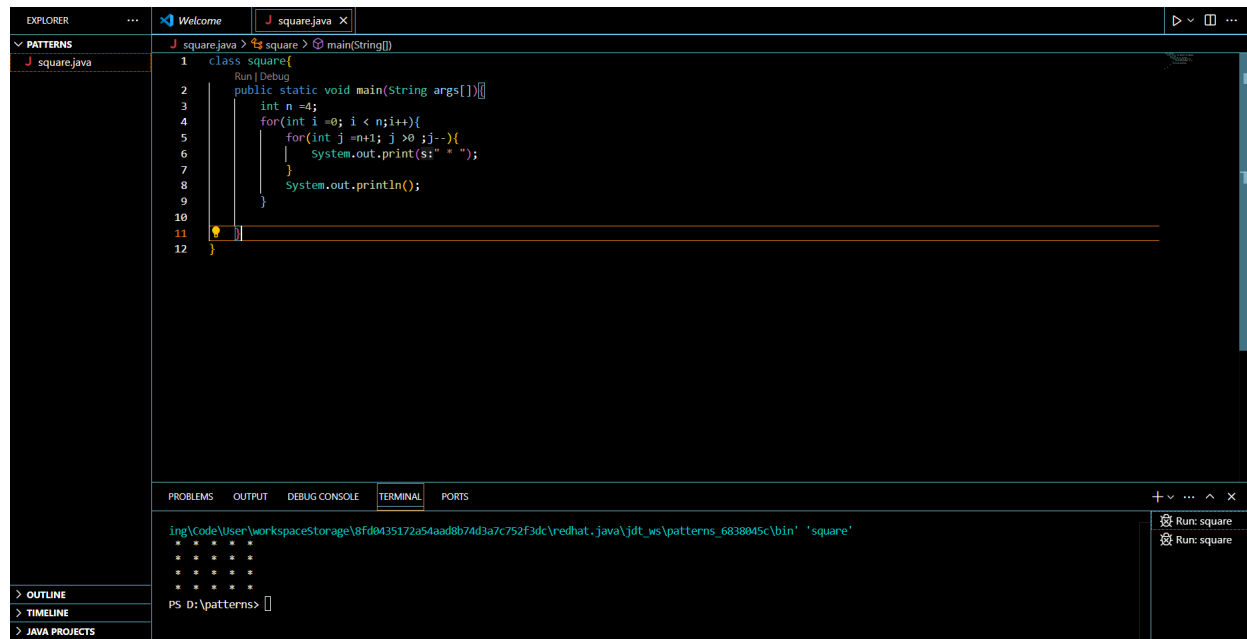


## 1.SQUARE PATTERN



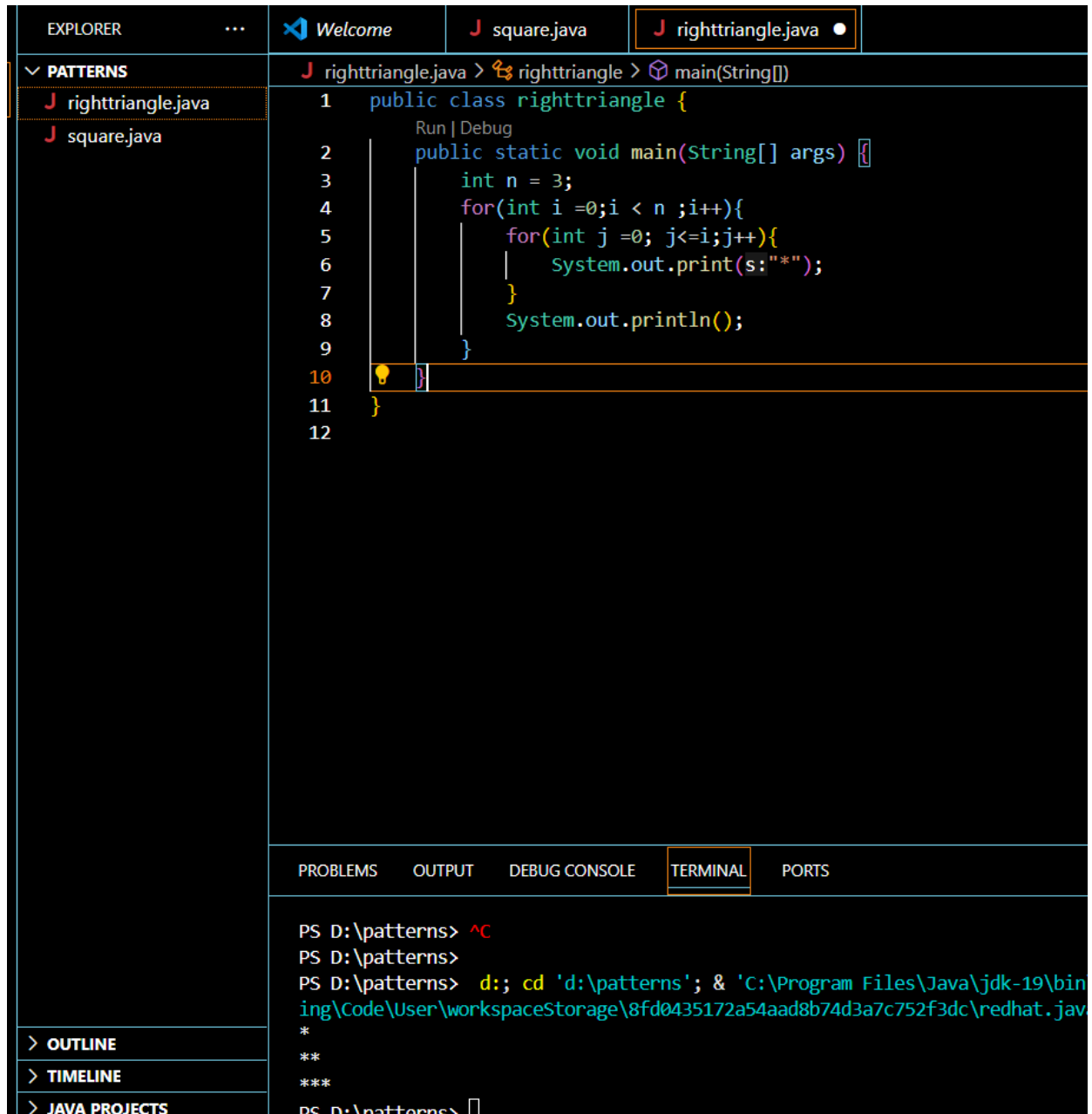
The screenshot shows an IDE with a Java file named 'square.java'. The code defines a class 'square' with a 'main' method. Inside 'main', it sets 'n' to 4 and uses nested loops to print a 4x4 grid of asterisks. The terminal output shows the execution path and the resulting pattern of asterisks.

```
1 class square{
2     public static void main(String args[]) {
3         int n = 4;
4         for(int i = 0; i < n; i++){
5             for(int j = 0; j < n; j++){
6                 System.out.print(" * ");
7             }
8             System.out.println();
9         }
10    }
11 }
12 }
```

Terminal Output:

```
ing\Code\User\workspaceStorage\8fd0435172a54aad8b74d3a7c752f3dc\redhat.java\jdt_ws\patterns_6838045c\bin' 'square'
 * * * *
 * * * *
 * * * *
 * * * *
PS D:\patterns>
```

## 2.RIGHT ANGLE TRIANGLE



### 3. INVERTED - RIGHT-ANGLE-TRIANGLE



#### 4.RIGHT ALIGNED TRIANGLE :

EXPLORED

...

righttriangle.java

invertedright.java

rightaligned.java

PATTERNS

invertedright.java

rightaligned.java

righttriangle.java

square.java

rightaligned.java > ...

1 public class rightaligned {

2     Run | Debug

3     public static void main(String[] args) {

4         int n = 3;

5         for(int i =1;i <= n ;i++){

6             for(int j =i; j< n;j++){

7                 System.out.print(s:" ");

8             }

9             for(int k =1; k <=(2\*i-1);k++){

10                 System.out.print(s:"\*");

11             }

12             System.out.println();

13         }

14     }

15

PROBLEMS

TERMINAL

...

Run: rightaligned + - []

```
ceptionMessages' '-cp' 'C:\Users\91950\AppData\Roaming\Code\Us
aceStorage\8fd0435172a54aad8b74d3a7c752f3dc\redhat.java\jdt_ws
_6838045c\bin' 'rightaligned'
*
***
*****
PS D:\patterns>
```

OUTLINE

TIMELINE

JAVA PROJECTS

## 5.HALF PYRAMID WITH NUMBERS



EXPLORER

...WelcomeJ square.javaJ righttriangle.javaJ invertedright.javaJ rightaligned.javaJ pyramid.java X

▼ PATTERNS

> .vscode

J halfpyramid.java

J invertedright.java

J pyramid.java

J rightaligned.java

J righttriangle.java

J square.java

J pyramid.java > pyramid

1 public class pyramid {  
2     Run | Debug  
3     public static void main(String[] args) {  
4         int n = 4;  
5  
6         for (int i = 1; i <= n; i++) {  
7             for (int j = i; j < n; j++) {  
8                 System.out.print(s; " ");  
9             }  
10             for (int k = 1; k <= i; k++) {  
11                 System.out.print(s; " \*");  
12             }  
13  
14             System.out.println();  
15         }  
16     }  
17 }  
18

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS D:\patterns> ^C  
PS D:\patterns>  
PS D:\patterns> d;; cd 'd:\patterns'; & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-XX:+ShowCodeDetailsInExceptioning\Code\User\workspaceStorage\8fd0435172a54aad8b74d3a7c752f3dc\redhat.java\jdt\_ws\patterns\_6838045c\bin' 'pyramid'  
\*  
\* \*  
\* \* \*  
\* \* \* \*  
PS D:\patterns>

> OUTLINE

> TIMELINE

> JAVA PROJECTS

## REVERSE PYRAMID

EXPLORER

...

WELCOME

square.java

righttriangle.java

invertedright.java

rightaligned.java

PATTERNS

.vscode

halfpyramid.java

invertedright.java

pyramid.java

reversepyramid.java

rightaligned.java

righttriangle.java

square.java

reversepyramid.java > reversepyramid > main(String[])

1 public class reversepyramid {

2     Run | Debug

3     public static void main(String args[]){

4         int n = 4;

5         for(int i =1; i<n ;i++){

6             for(int j = 1; j <=i ;j++ ){

7                 System.out.print(s:" ");

8             }

9             for(int k = n; k > i ;k--){

10                 System.out.print(s:"\*");

11             }

12             System.out.println();

13         }

14     }

15     }

16     }

17     }

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

\*\*\* &

PS D:\patterns> ^C

PS D:\patterns>

PS D:\patterns> d:; cd 'd:\patterns'; & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-XX:+ShowCodeDetails -XX:MaxRAM=1024M' -jar 'C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\QJGKQJGK\redhat.java\jdt\_ws\patterns\_68380'

\* \* \*

\* \* \*

\* \* \*

OUTLINE

TIMELINE

DIAMOND

EXPLORER	...	J square.java	J rightrighttriangle.java	J invertedright.java	J rightaligned.java	J pyramid.java	J reversepyramid.java
▼ PATTERNS	J diamond.java > diamond > main(String[])						
> .vscode							
J diamond.java	<pre>1 public class diamond { 2     Run   Debug 3     public static void main(String[] args) { 4         int n = 4; 5         int m = n-1; 6         for(int i =1;i &lt;=n;i++){ 7             for (int j = i; j &lt; n; j++) { 8                 System.out.print(s" "); 9             } 10            for(int k =0 ; k &lt;i;k++){ 11                System.out.print(s" *"); 12            } 13            System.out.println(); 14        } 15        for(int i =0;i &lt; m;i++){ 16            for(int j =0; j &lt;= i; j++){ 17                System.out.print(s" "); 18            } 19            for(int k= m ; k &gt; i;k--){ 20                System.out.print(s" *"); 21            } 22            System.out.println(); 23        } 24    } 25 }</pre>						
J halfpyramid.java							
J invertedright.java							
J pyramid.java							
J reversepyramid.java							
J rightaligned.java							
J rightrighttriangle.java							
J square.java							
		PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS	
		<pre>ing\Code\User\workspaceStorage\8fd0435172a54aad8b74d3a7c752f3dc\redhat.java\jdt_ws\patterns_6838045c\bin' 'diamond' * * * * * * * * * * * * * * * * PS D:\patterns&gt;</pre>					
> OUTLINE							
> TIMELINE							
> JAVA PROJECTS	PS D:\patterns>						