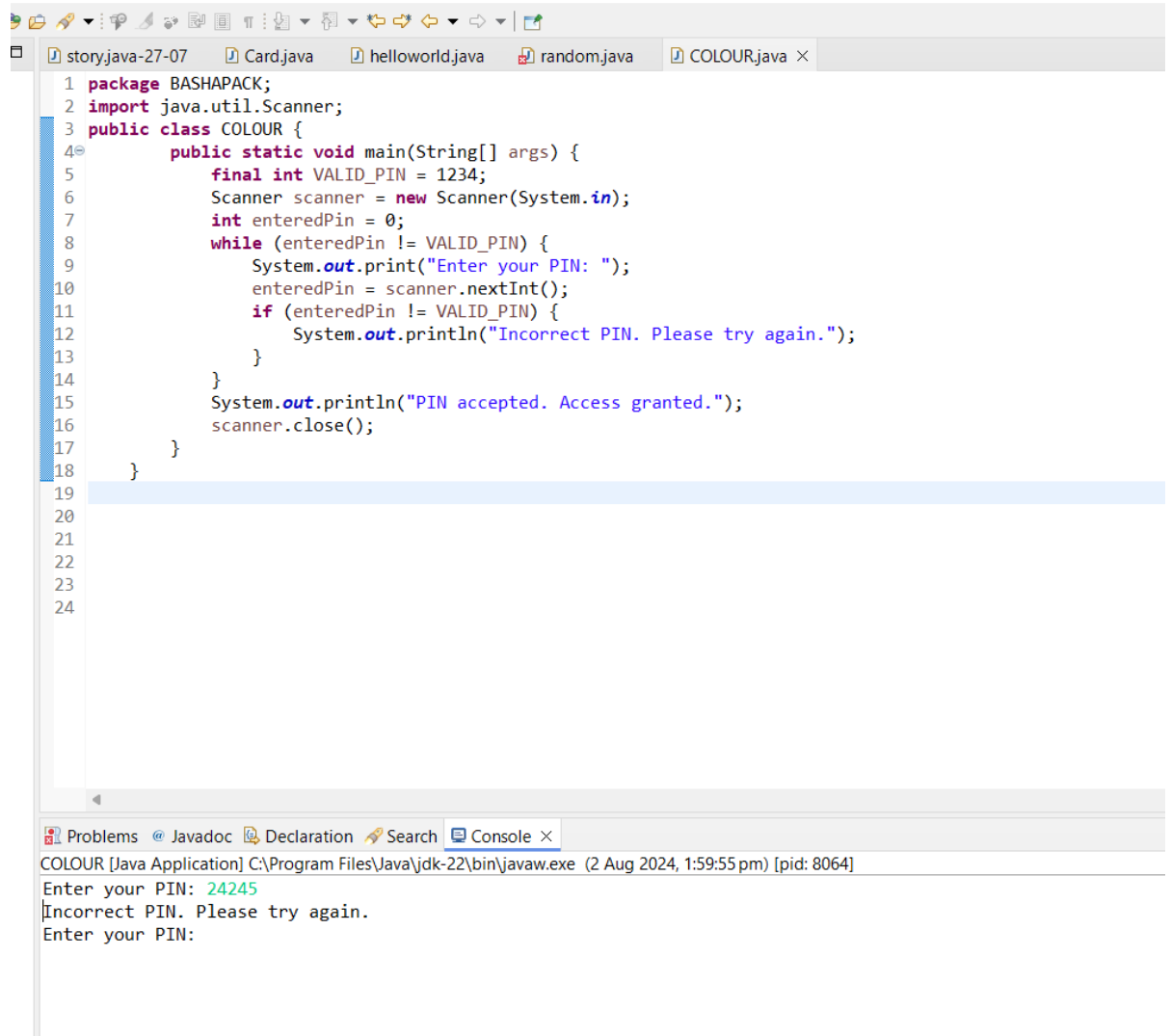


SHAIK MAHUMMAD 192325031



The screenshot shows an IDE with a Java file named COLOUR.java. The code is a simple program that prompts the user to enter a PIN. It uses a Scanner to read input and a while loop to ensure the PIN is correct. The console output shows the program running and the user entering '24245', which is incorrect, leading to a message to try again.

```
1 package BASHAPACK;
2 import java.util.Scanner;
3 public class COLOUR {
4     public static void main(String[] args) {
5         final int VALID_PIN = 1234;
6         Scanner scanner = new Scanner(System.in);
7         int enteredPin = 0;
8         while (enteredPin != VALID_PIN) {
9             System.out.print("Enter your PIN: ");
10            enteredPin = scanner.nextInt();
11            if (enteredPin != VALID_PIN) {
12                System.out.println("Incorrect PIN. Please try again.");
13            }
14        }
15        System.out.println("PIN accepted. Access granted.");
16        scanner.close();
17    }
18 }
19
20
21
22
23
24
```

Problems Javadoc Declaration Search Console ×

COLOUR [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (2 Aug 2024, 1:59:55 pm) [pid: 8064]

Enter your PIN: 24245
Incorrect PIN. Please try again.
Enter your PIN:

DE

Run Window Help

story.java-27-07 Card.java helloworld.java random.java COLOUR.java ×

```
1 package BASHAPACK;
2 import java.util.Scanner;
3 public class COLOUR {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6         System.out.print("Choose a number: ");
7         int number = scanner.nextInt();
8         for (int i = 1; i <= 12; i++) {
9             int result = number * i;
10            System.out.println(number + "x" + i + " = " + result);
11        }
12        scanner.close();
13    }
14 }
```

Problems @ Javadoc Declaration Search Console ×

<terminated> COLOUR [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (2 Aug 2024, 2:02:57 pm)

Choose a number: 143

143x1 = 143

143x2 = 286

143x3 = 429

143x4 = 572

143x5 = 715

143x6 = 858

143x7 = 1001

BASHA/src/BASHAPACK/COLOUR.java - Eclipse IDE

Refactor Source Navigate Search Project Run Window Help

storyjava-27-07 Cardjava helloworldjava randomjava COLOUR.java

Library [JavaSE-15]

CKC
JR.java
info.java

```
1 package BASHAPACK;  
2 import java.util.Scanner;  
3 public class COLOUR {  
4     public static void main(String[] args) {  
5         System.out.println("Rectangle:");  
6         createRectangle(5, 4);  
7         System.out.println("\nTriangle:");  
8         createTriangle(5);  
9     }  
10    public static void createRectangle(int width, int height) {  
11        if (width < 1 || height < 1) {  
12            System.out.println("Invalid dimensions. Width and height must be at least 1.");  
13            return;  
14        }  
15        for (int i = 0; i < height; i++) {  
16            for (int j = 0; j < width; j++) {  
17                System.out.print("#");  
18            }  
19            System.out.println();  
20        }  
21    }  
22    public static void createTriangle(int size) {  
23        if (size < 1) {  
24            System.out.println("Invalid size. The size must be at least 1.");  
25            return;  
26        }  
27        for (int i = 1; i <= size; i++) {  
28            for (int j = 0; j < i; j++) {  
29                System.out.print("#");  
30            }  
31            System.out.println();  
32        }  
33    }  
34 }
```

Problems Javadoc Declaration Search Console

<terminated> COLOUR [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (2 Aug 2024, 2:09:33 pm - 2:09:35 pm) [pid: 21080]

Triangle:
*
**

