

TEJA NADIU
192311167

```
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 }
```

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:

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```
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

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```
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 }
```

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:
*
**

