



The image shows an IDE window 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, with the user entering `24245` and receiving the message "Incorrect PIN. Please try again." followed by the prompt "Enter your PIN:".

```
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
```

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

