Credit Name: Zubair

Assignment Name:

Error Log Entry
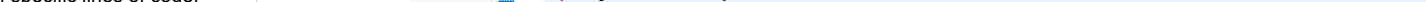
What error message did you encounter (if any)?	Syntax erorr

What unexpected behavior did your program exhibit?	None

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)	putting to many curly braces

Include a screenshot of specific lines of code.

How did you fix the issue?	Removed it

Provide the corrected code or solution using a screenshot.

```
1   package Mastery;
2   import java.util.Random;
3   import java.util.Scanner;
4
5   public class Nim2 {
6
7       static class NimGame {
8           private int stones;
9           private Random rand = new Random();
10
11          public NimGame() {
12              stones = rand.nextInt(16) + 15;   // random 15-30
13          }
14
15          public int getStones() {
16              return stones;
17          }
18
19          public boolean playerMove(int take) {
20              if (take < 1 || take > 3 || take > stones) {
21                  return false; // illegal move
22              }
23              stones -= take;
24              return true;
25          }
26
27          public int computerMove() {
28              int take = rand.nextInt(3) + 1;
29
30              // Keep reducing until legal
31              while (take > stones) {
32                  take = rand.nextInt(3) + 1;
33              }
34
35              stones -= take;
36              return take;
37          }
38
39          public boolean gameOver() {
40              return stones == 0;
41          }
42      }
43
44      public static void main(String[] args) {
45          Scanner input = new Scanner(System.in);
46          NimGame game = new NimGame();
47
48          System.out.println("Welcome to the Game of Nim!");
49          System.out.println("The player forced to take the last stone LOSES.");
50          System.out.println("----------------------------------------");
51          System.out.println("Starting stones: " + game.getStones());
52
53          while (!game.gameOver()) {
54
55              // PLAYER TURN
56              System.out.print("\nYour turn! How many stones will you take (1-3)? ");
57              int take = input.nextInt();
58
59              while (!game.playerMove(take)) {
60                  System.out.print("Invalid move. Enter 1, 2, or 3 (and not more than remaining stones): ");
61                  take = input.nextInt();
62              }
63
64              System.out.println("You took: " + take);
65              System.out.println("Stones remaining: " + game.getStones());
66
67              if (game.gameOver()) {
68                  System.out.println("\nYou took the last stone — You LOSE!");
69                  break;
```

	Writable		Smart Insert