src\Lab10.java

```java
 1  /*
 2  Name: Hunter Poole
 3  Date: 4/8/25
 4  Lab #: 10
 5  Source Code: Lab10.java
 6  Action: Plays a guessing game between user and computer if user agrees to play.
 7          Both parties will pick a number 1, 2, or 3.
 8          Calls a function to check if the numbers are equal and display result.
 9          Loop until user decides to quit: ('n' or 'N' from user).
10  */
11
12  import java.util.Scanner;
13
14  public class Lab10
15  {
16
17  /*
18  Action: Determines if user guess matches the computers choice of number.
19  Parameters: int X, int Y
20  Returns: Prints if user guess was the same or NOT the same as computer's number.
21  Precondition: none
22  */
23      static void CompareNumbers (int X, int Y)
24      {
25          if (X == Y)
26          {
27              System.out.println("You picked the same number as the computer");
28          }
29          else
30          {
31              System.out.println("Your number is NOT the same as the computer");
32          }
33      }
34
35      public static void main(String[] args)
36      {
37          int UserGuess, ComputerChoice;
38          char Choice;
39
40          Scanner Input = new Scanner(System.in);
41          System.out.print("Start the game? Y/N --> ");
42          Choice = Input.next().charAt(0);
43
44          while (Choice != 'n' && Choice != 'N')
45          {
46              System.out.println();
47              System.out.print("Pick a number, 1, 2, or 3 --> ");
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48                UserGuess = Input.nextInt();
49
50                ComputerChoice = (int)(Math.random() * 3) + 1;
51                CompareNumbers(UserGuess, ComputerChoice);
52
53                System.out.println();
54                System.out.print("Play again? Y/N --> ");
55                Choice = Input.next().charAt(0);
56            }
57        }
58 }
59 /*
60 Start the game? Y/N --> Y
61
62 Pick a number, 1, 2, or 3 --> 1
63 Your number is NOT the same as the computer
64
65 Play again? Y/N --> Y
66
67 Pick a number, 1, 2, or 3 --> 1
68 Your number is NOT the same as the computer
69
70 Play again? Y/N --> Y
71
72 Pick a number, 1, 2, or 3 --> 1
73 Your number is NOT the same as the computer
74
75 Play again? Y/N --> Y
76
77 Pick a number, 1, 2, or 3 --> 1
78 Your number is NOT the same as the computer
79
80 Play again? Y/N --> Y
81
82 Pick a number, 1, 2, or 3 --> 1
83 You picked the same number as the computer
84
85 Play again? Y/N --> N
86  */
87
88 //Limitation tests:
89
90 /*
91 Start the game? Y/N --> z
92
93 Pick a number, 1, 2, or 3 --> 48
94 Your number is NOT the same as the computer
95
96 Play again? Y/N --> J
```

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 97
 98   Pick a number, 1, 2, or 3 --> 17
 99   Your number is NOT the same as the computer
100
101   Play again? Y/N --> n
102    */
```