

Credit Name: CSE 2110 Procedural Programming 1
Assignment Name: HiLo

What error message did you encounter (if any)?

Syntax errors

What unexpected behavior did your program exhibit?

Program didn't work properly (rolled two numbers not one number)

What caused the issue? (e.g., syntax error, logic error, incorrect function usage, etc.)

- syntax error

Include a screenshot of specific lines of code.

```
System.out.println("Welcome to the Hi-Lo Game!");
System.out.println("You start with " + tokens + " tokens.");

while (playAgain && tokens > 0) {
    int currentNumber = (int) (Math.random() * 13) + 1;

    while (currentNumber == 7) {
        System.out.println("The number is 7! It's a tie - no win or loss this round.");
        currentNumber = (int) (Math.random() * 13) + 1;
    }

    System.out.print("Enter your bet amount: ");
    int bet = input.nextInt();

    if (bet > tokens || bet <= 0) {
        System.out.println("Invalid bet amount. Try again.");
        continue;
    }

    System.out.print("Will the next number be (H)igher or (L)ower?: ");
    char guess = input.next().toUpperCase().charAt(0);

    int nextNumber = (int) (Math.random() * 13) + 1;
    System.out.println("The next number is: " + nextNumber);
```

How did you fix the issue?

Remove the code that rolled two numbers and modded the code to roll only one number

Provide the corrected code or solution using a screenshot.

```
System.out.println("Welcome to the Hi-Lo Game!");
System.out.println("You start with " + tokens + " tokens.");

while (playAgain && tokens > 0) {
    System.out.print("Enter your bet amount: ");
    int bet = input.nextInt();

    if (bet > tokens || bet <= 0) {
        System.out.println("Invalid bet amount. Try again.");
        continue;
    }

    System.out.print("Will the next number be (H)igher or (L)ower?: ");
    char guess = input.next().toUpperCase().charAt(0);

    int number = (int) (Math.random() * 13) + 1;
    System.out.println("The number is: " + number);

    if (number >= 8 && guess == 'H') {
        System.out.println("You guessed correctly! You win " + bet + " tokens!");
        tokens += bet;
    } else if (number <= 6 && guess == 'L') {
        System.out.println("You guessed correctly! You win " + bet + " tokens!");
        tokens += bet;
    } else if (number == 7) {
        System.out.println("The number is 7 - it's neutral. No tokens gained or lost.");
    } else {
        System.out.println("Wrong guess! You lose " + bet + " tokens.");
        tokens -= bet;
    }
}
```

Screen Dumps:

```
Welcome to the Hi-Lo Game!
You start with 1000 tokens.
Enter your bet amount: 100
Will the next number be (H)igher or (L)ower?: h
The number is: 2
Wrong guess! You lose 100 tokens.
You now have 900 tokens.
Play again? (Y/N): y
Enter your bet amount: 100
Will the next number be (H)igher or (L)ower?: h
The number is: 1
Wrong guess! You lose 100 tokens.
You now have 800 tokens.
Play again? (Y/N): y
Enter your bet amount: 100
Will the next number be (H)igher or (L)ower?: l
The number is: 8
Wrong guess! You lose 100 tokens.
You now have 700 tokens.
Play again? (Y/N): y
Enter your bet amount: 250
Will the next number be (H)igher or (L)ower?: h
The number is: 3
Wrong guess! You lose 250 tokens.
You now have 450 tokens.
Play again? (Y/N): y
Enter your bet amount: 45
Will the next number be (H)igher or (L)ower?: l
The number is: 8
Wrong guess! You lose 45 tokens.
You now have 405 tokens.
Play again? (Y/N): y
Enter your bet amount: 1
Will the next number be (H)igher or (L)ower?: h
The number is: 13
You guessed correctly! You win 1 tokens!
You now have 406 tokens.
Play again? (Y/N): n
Thanks for playing! You ended with 406 tokens.
```