Main.java
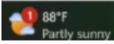
Run

```java
1  import java.util.Random;
2  import java.util.Scanner;
3
4  public class NumberGuessingGame {
5      public static void main(String[] args) {
6          Scanner scanner = new Scanner(System.in);
7          Random random = new Random();
8
9          int lowerBound = 1;
10         int upperBound = 100;
11         int randomNumber = random.nextInt(upperBound - lowerBound + 1) +
                lowerBound;
12
13         System.out.println("Number Guessing Game");
14         System.out.println("Guess the number between " + lowerBound + " and " +
                upperBound);
15
16         int guessCount = 0;
17         int userGuess;
18
19         do {
20             System.out.print("Enter your guess: ");
21             userGuess = scanner.nextInt();
22             guessCount++;
23
24             if (userGuess < randomNumber) {
```

Run

```java
    int randomNumber = random.nextInt(upperBound - lowerBound + 1) +
        lowerBound;

    System.out.println("Number Guessing Game");
    System.out.println("Guess the number between " + lowerBound + " and " +
        upperBound);

    int guessCount = 0;
    int userGuess;

    do {
        System.out.print("Enter your guess: ");
        userGuess = scanner.nextInt();
        guessCount++;

        if (userGuess < randomNumber) {
            System.out.println("Too low! Try again.");
        } else if (userGuess > randomNumber) {
            System.out.println("Too high! Try again.");
        } else {
            System.out.println("Congratulations! You guessed the number in
                " + guessCount + " attempts.");
        }
    } while (userGuess != randomNumber);
}
```

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Output   Clear

```
java -cp /tmp/J7LNocSmYH NumberGuessingGame
Number Guessing Game
Guess the number between 1 and 100
Enter your guess: 7
Too low! Try again.
Enter your guess: 27
Too low! Try again.
Enter your guess: 37
Too high! Try again.
Enter your guess: 30
Too low! Try again.
Enter your guess: 34
Too high! Try again.
Enter your guess: 32
Too low! Try again.
Enter your guess: 33
Congratulations! You guessed the number in 7 attempts.
```

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