

```
Import java.util.Random;
```

```
Import java.util.Scanner;
```

```
Public class NumberGuessingGame {
```

```
    Public static void main(String[] args) {
```

```
        // Create a Random object to generate the number
```

```
        Random random = new Random();
```

```
        // Generate a number between 1 and 100
```

```
        Int numberToGuess = random.nextInt(100) + 1;
```

```
        Int attempts = 0;
```

```
        Scanner scanner = new Scanner(System.in);
```

```
        System.out.println("Welcome to the Number Guessing Game!");
```

```
        System.out.println("I'm thinking of a number between 1 and 100.");
```

```
        While (true) {
```

```
            System.out.print("Enter your guess: ");
```

```
            // Read the user's guess
```

```
            Int guess;
```

```
            Try {
```

```
                Guess = Integer.parseInt(scanner.nextLine());
```

```
                Attempts++;
```

```
                // Check the user's guess
```

```
                If (guess < numberToGuess) {
```

```
        System.out.println("Too low! Try again.");
    } else if (guess > numberToGuess) {
        System.out.println("Too high! Try again.");
    } else {
        System.out.println("Congratulations! You've guessed the number " +
numberToGuess + " in " + attempts + " attempts.");

        Break;
    }
} catch (NumberFormatException e) {
    System.out.println("Please enter a valid number.");
}
}

Scanner.close();
}
}
```