**import java.util.Random;**

**import java.util.Scanner;**

**public class NumberGuessingGame {**

**public static void main(String[] args) {**

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

**Random random = new Random();**

**int totalRounds = 0;**

**int roundsWon = 0;**

**boolean playAgain = true;**

**while (playAgain) {**

**int generatedNumber = random.nextInt(100) + 1;**

**int maxAttempts = 5;**

**int attempts = 0;**

**boolean guessedCorrectly = false;**

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

**System.out.println("Try to guess the number between 1 and 100.");**

**while (attempts < maxAttempts && !guessedCorrectly) {**

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

**int userGuess = scanner.nextInt();**

**attempts++;**

**if (userGuess == generatedNumber) {**

**guessedCorrectly = true;**

**System.out.println("Congratulations! You guessed the correct number in " + attempts + " attempts.");**

**} else if (userGuess < generatedNumber) {**

**System.out.println("Too low! Try again.");**

**} else {**

**System.out.println("Too high! Try again.");**

**}**

**}**

**if (guessedCorrectly) {**

**roundsWon++;**

**System.out.println("You won this round!");**

**} else {**

**System.out.println("Sorry, you've reached the maximum number of attempts. The correct number was: " + generatedNumber);**

**}**

**totalRounds++;**

**System.out.print("Do you want to play again? (yes/no): ");**

**String playAgainInput = scanner.next().toLowerCase();**

**playAgain = playAgainInput.equals("yes");**

**}**

**System.out.println("Thanks for playing! Your final score: Rounds Won: " + roundsWon + " out of " + totalRounds);**

**scanner.close();**

**}**

**}**