

GAME

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import java.util.Scanner;
import java.util.Random;

public class GuessingGame {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        Random random = new Random();

        int minNum = 1;
        int maxNum = 100;
        int attempts = 5;
        int rounds = 0;
        int score = 0;

        boolean playAgain = true;

        while (playAgain) {
            System.out.println("\n--- New Round ---");
            if (playGame(minNum, maxNum, attempts, random, scanner)) {
                score++;
            }
            rounds++;

            System.out.print("Do you want to play again? (yes/no): ");
            String playAgainInput = scanner.next().toLowerCase();
            if (!playAgainInput.equals("yes")) {
                playAgain = false;
            }
        }

        System.out.println("\nGame Over! Rounds played: " + rounds + ", Score: " + score);
        scanner.close();
    }

    public static boolean playGame(int minNum, int maxNum, int attempts, Random random,
        Scanner scanner) {
        int secretNumber = random.nextInt(maxNum - minNum + 1) + minNum;
        int attemptsLeft = attempts;

        System.out.println("I'm thinking of a number between " + minNum + " and " + maxNum
            + ". You have " + attempts + " attempts to guess it.");

        while (attemptsLeft > 0) {
            System.out.print("Enter your guess: ");
            int guess = scanner.nextInt();

            if (guess == secretNumber) {
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        System.out.println("Congratulations! You guessed the correct number.");
        return true;
    } else if (guess < secretNumber) {
        System.out.println("Too low. Try again.");
    } else {
        System.out.println("Too high. Try again.");
    }

    attemptsLeft--;
    System.out.println("You have " + attemptsLeft + " attempts left.");
}

System.out.println("Sorry, you've run out of attempts. The correct number was " +
secretNumber + ".");
return false;
}
}
```