**NUMBER GAME**

import java.util.Random;

import java.util.Scanner;

public class NumberGuessingGame {

private static final int MAX\_ATTEMPTS = 10; // Maximum number of attempts

private static int roundsWon = 0; // Track rounds won

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

Random random = new Random();

boolean playAgain;

do {

int targetNumber = random.nextInt(100) + 1; // Generate number between 1 and 100

int attempts = 0;

boolean guessedCorrectly = false;

System.out.println("Guess the number (between 1 and 100)! You have " + MAX\_ATTEMPTS + " attempts.");

while (attempts < MAX\_ATTEMPTS && !guessedCorrectly)

{

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

int userGuess = scanner.nextInt();

attempts++;

if (userGuess < targetNumber) {

System.out.println("Too low!");

} else if (userGuess > targetNumber) {

System.out.println("Too high!");

} else {

guessedCorrectly = true;

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

}

}

if (!guessedCorrectly) {

System.out.println("Sorry! You've used all attempts. The number was: " + targetNumber);

} else {

roundsWon++;

}

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

playAgain = scanner.next().equalsIgnoreCase("yes");

} while (playAgain);

System.out.println("Thanks for playing! You won " + roundsWon + " rounds.");

scanner.close();

}

}

**By**

**Prethiba j**