

```
import java.util.Random;

import java.util.Scanner;

public class GuessingGame {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        Random random = new Random();

        boolean playAgain = true;

        int totalScore = 0;

        while (playAgain) {

            int numberToGuess = random.nextInt(100) + 1;

            int numberOfAttempts = 0;

            boolean hasGuessedCorrectly = false;

            System.out.println("Guess a number between 1 and 100:");

            while (!hasGuessedCorrectly && numberOfAttempts < 10) {

                int userGuess = scanner.nextInt();

                numberOfAttempts++;

                if (userGuess == numberToGuess) {

                    System.out.println("Congratulations! You guessed the correct number.");

                    hasGuessedCorrectly = true;

                    totalScore += (10 - numberOfAttempts + 1); // Higher score for fewer attempts

                } else if (userGuess < numberToGuess) {

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

                } else {

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

                }

            }

        }

    }

}
```

```
        if (!hasGuessedCorrectly) {  
            System.out.println("Sorry, you've used all attempts. The correct number was " +  
numberToGuess);  
        }  
  
        System.out.println("Your current score is: " + totalScore);  
        System.out.println("Do you want to play another round? (yes/no)");  
        String response = scanner.next();  
  
        if (!response.equalsIgnoreCase("yes")) {  
            playAgain = false;  
        }  
    }  
  
    System.out.println("Thank you for playing! Your final score is: " + totalScore);  
    scanner.close();  
}  
}
```