**TASK 1 NumberGame**

**package** Intern;

**import** java.util.Random;

**import** java.util.Scanner;

**public** **class** NumberGame {

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

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

Random rand = **new** Random();

**boolean** playAgain = **true**;

**int** totalRounds = 0;

**int** roundsWon = 0;

**while** (playAgain) {

**int** randInt = rand.nextInt(100) + 1;

System.***out***.println("GAME STARTED");

System.***out***.println("Enter a number between 1-100");

**int** guess = ip.nextInt();

**boolean** roundWon = **false**;

**for** (**int** count = 0; count < 5; count++) {

**if** (randInt > guess) {

System.***out***.println("Guess is low");

} **else** **if** (randInt < guess) {

System.***out***.println("Guess is high");

} **else** {

roundWon = **true**;

**break**;

}

**if** (count < 4) {

System.***out***.println("Try another guess");

guess = ip.nextInt();

}

}

**if** (roundWon) {

System.***out***.println("You Won :)");

roundsWon++;

} **else** {

System.***out***.println("You Lost :( The correct number was: " + randInt);

}

totalRounds++;

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

String response = ip.next();

playAgain = response.equalsIgnoreCase("yes");

}

System.***out***.println("GAME OVER");

System.***out***.println("Total Rounds Played: " + totalRounds);

System.***out***.println("Rounds Won: " + roundsWon);

ip.close();

}

}