1) import java.util.Scanner;

import java.util.Random;

public class NumberGame{

    public static void main(String[] args){

        Scanner sc=new Scanner(System.in);

        Random random =new Random();

        boolean playAgain=true;

        int total=0;

        int rounds=0;

       while (playAgain){

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

        int attempts=0;

        boolean correctGuess=false;

        int maxAttempts=5;

        System.out.println("Welcome to number guessing game");

        System.out.println("Already i have selected a number b/n 1-100.TRY TO GUESS IT!!");

        while(attempts < maxAttempts && !correctGuess){

            System.out.println("enter the guess: ");

            int userGuess=sc.nextInt();

            attempts++;

            if(userGuess==randomNumber){

                correctGuess=true;

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

            }

            else if(userGuess< randomNumber){

                System.out.println("the number is very low..,try some other number.");

            }

            else{

                System.out.println("the number is very high..,choose some other number");

            }

        }

        if(!correctGuess){

            System.out.println("Time up!!you have used all your attempts, the correct number is: "+randomNumber);

        }

        total=+maxAttempts-attempts;

        rounds++;

        System.out.println("Do you want to play again? (Yes/No)");

        String response=sc.next();

        if(!response.equalsIgnoreCase("Yes")){

            playAgain=false;

        }

    }

    System.out.println("Thank you for playing.");

    System.out.println("Rounds played: "+rounds);

    System.out.println("Your total Score: "+total);

    }

}

OUTPUT:-

