

```
package mypack;

import java.util.Scanner;

import java.lang.Math;

public class GuessingGame {

    public static void main(String[] args) {

        int answer = (int)(Math.random() * 100) + 1;

        int k = 5;

        Scanner input = new Scanner(System.in);

        boolean correct = false;

        System.out.println("I'm thinking of a number between 1 and 100.\nYou have 5 tries to guess the number.");

        while (k > 0) {

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

            int guess = input.nextInt();

            if (guess == answer) {

                System.out.println("You guessed the number!\nYou win!");

                break;

            }

            else if (guess > answer) {

                System.out.println("Your guess is too high.\nYou have " + (k - 1) + " tries left.");

                k--;

            }

            else {
```

```
        System.out.println("Your guess is too low.\nYou have " + (k - 1) + " tries left.");
    }

    k--;
}

if (correct == false) {
    System.out.println("You ran out of tries.\nYou lose!");
}
}
}
```

```
<terminated> GuessingGame [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (24-Feb-2024, 1
I'm thinking of a number between 1 and 100.
You have 5 tries to guess the number.
Enter your guess:
34
Your guess is too high.
You have 4 tries left.
Enter your guess:
22
Your guess is too low.
You have 2 tries left.
Enter your guess:
26
Your guess is too low.
You have 1 tries left.
Enter your guess:
30
You guessed the number!
You win!
```