Name: Jie Mei   Student ID: 300364433

I am confirming that I have completed this lab completely
based on the requirements and it is working and fully
functional.

Screenshots:

```java
public static void main(String[] args) {
    // TODO code application logic here
    Random rd = new Random();
    int answer = rd.nextInt( origin:1, bound:1000);

    Play(answer);

}
```

```java
public static void Play(int answer)
{
    Scanner sc = new Scanner( source:System.in);
    System.out.print( s:">>Input your guess: ");
    int guess = sc.nextInt();
    if(guess != answer)
    {
        if(guess > answer)
        {
            System.out.println( x:"Too high. Try again.");
        }
        else
        {
            System.out.println( x:"Too low. Try again.");
        }

        Play(answer);
    }
    else
    {
        System.out.println( x:"Congratulations! You guessed the number.");
        System.out.print( s:"Try again(Y/N)? ");

        String input = sc.next();
        if(input.equalsIgnoreCase( anotherString:"Y"))
        {
            Random rd = new Random();
            answer = rd.nextInt( origin:1, bound:1000);
            //System.out.println(answer);
            Play(answer);
        }
    }
}
```

Outputs:

```
>>Input your guess: 500
Too low. Try again.
>>Input your guess: 750
Too low. Try again.
>>Input your guess: 875
Too low. Try again.
>>Input your guess: 900
Too low. Try again.
>>Input your guess: 950
Too low. Try again.
>>Input your guess: 975
Too high. Try again.
>>Input your guess: 960
Congratulations! You guessed the number.
Try again(Y/N)?
```

```
Congratulations! You guessed the number.
Try again(Y/N)? Y
>>Input your guess: 500
Too low. Try again.
>>Input your guess: 750
Too low. Try again.
>>Input your guess: 875
Too high. Try again.
>>Input your guess: 700
Too low. Try again.
>>Input your guess: 800
Too low. Try again.
>>Input your guess: 820
Too low. Try again.
>>Input your guess: 830
Too low. Try again.
>>Input your guess: 840
Too low. Try again.
>>Input your guess: 845
Too low. Try again.
>>Input your guess: 849
Too low. Try again.
>>Input your guess: 850
Too low. Try again.
>>Input your guess: 860
Too low. Try again.
>>Input your guess: 870
Too high. Try again.
>>Input your guess: 865
Too low. Try again.
>>Input your guess: 867
Too high. Try again.
>>Input your guess: 866
Congratulations! You guessed the number.
Try again(Y/N)? n
```