Bonus Midterm Practice Problem

Submit the source code and a sample run via D2L. The sample run will not be identical to the one provided below as the computer will be generating random numbers.

Write a program to act like multiplication flash cards. The program should ask how many rounds the user wants to play. For each round the computer will display two random numbers between 1-12 and ask the user for the answer. If the user’s answer is correct, print an appropriate message and increment the ‘correct’ counter. If the user’s answer is wrong, print an message with the correct answer. Once the program is done show the user’s score as a percentage. The following is given as a sample run:

Welcome to the multiplication flash cards...

How many rounds to you want to play? **5**What is 8 x 8 ? **64**Nice work, that's correct...  
What is 11 x 2 ? **33**No, sorry that's wrong answer is 22  
What is 9 x 2 ? **18**Nice work, that's correct...  
What is 11 x 11 ? **121**Nice work, that's correct...  
What is 11 x 4 ? **44**Nice work, that's correct...  
All done, your score was 4 out of 5 or 80.00%

The following program shows how to generate two random numbers between 1-12.

import java.util.Random;  
import java.util.Scanner;  
public class randomNum{  
 public static void main ()  
 {  
  
 Scanner k = new Scanner (System.in);  
 int x, y;   
 Random g = new Random();  
 x = g.nextInt(12)+1;  
 y = g.nextInt(12)+1;

System.out.println ("x is " + x);  
 System.out.println ("Y is " + y);  
 }  
}