# Objective

Practice while loop and Random class

# Problem

Write a program that plays a guessing game with the user. The program should generate a random number between a minimum and a maximum value that user will enter. Then prompt the user repeatedly to guess the number. When the user gives a wrong guess then computer should hint the user if the correct answer is higher or lower than the guess. Once the user guesses it correctly, then your program should print a message indicating the number of guesses. Your program should allow multiple players to play the game

# Requirements

You are required to implement the following methods

1. Main method: the required code for this method is provided
2. Run method: This method generates a random number in the range of the class constants MAX and MIN, then calls the method playGame. When calling this method, you must pass the Scanner object and the random number generated by the computer to it. A complete pseudocode is provided in the shell. Follow the steps, implement the code at each step, compile, move to the next step.
3. playGame method: this method gets the random number picked by the computer and a Scanner object as its parameters. Uses a while loop to keep asking the user to make a guess. At each guess, the user must be led into the correct direction (see the sample output). As soon as the user’s guess matches the random number generated by the computer the while loop ends. Make sure to keep trach of the number of the times and the user made a wrong guess in the while loop. A complete pseudocode is provided in the shell. Follow the steps, implement the code at each step, compile, and move to the next step.
4. intro method displays a description of the game. Must create your own description.

Sample output

Hi my name is Fredi your computer.   
I want to play a guessing game with you.  
I will think of a number between 500 and 600 values  
and will allow you to guess until you get it.  
For each guess, I will tell you whether the  
right answer is higher or lower than your guess.  
  
  
Enter a number between 500 and 600  
Enter your guess--> 550  
Guess a lower number  
Enter your guess--> 525  
Guess a lower number  
Enter your guess--> 515  
Guess a higher number  
Enter your guess--> 520  
Guess a higher number  
Enter your guess--> 523  
Guess a lower number  
Enter your guess--> 522  
You guesses the correct number by making 6 guesses

Do you want to play another round, enter yes or no: yes

Enter a number between 500 and 600  
Enter your guess--> 550  
Guess a lower number  
Enter your guess--> 525  
Guess a higher number  
Enter your guess--> 535  
Guess a lower number  
Enter your guess--> 530  
Guess a higher number  
Enter your guess--> 532  
You guesses the correct number by making 5 guesses

Do you want to play another round, enter yes or no: no