

CIS 470 – iOS Programming

HW 09 – Random Number Statistics



In H/W 8, you used a do-while loop to write a program that generates random numbers between 1 and 100 and keeps track of how many iterations it takes before the value 50 is generated. We speculated that, on average, it would take 100 attempts to generate the number 50 (or any other value, for that matter). Now, we want to test this.

To do that, we want to run the routine in H/W #8 1000 times and take an average of its output to calculate the average number of iterations it takes to generate the #50. Add a *for* loop to the HW 8 problem to do this. Your calculated average should be a floating-point value. The output of your program should look something like this:

On average, it takes 99.353 tries to generate the number 50.

