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Computer Science 111

Homework 3

Reflection

This was a good homework assignment. It was the most fun to do out of the 3. The most positive part of the homework was that I understood how to do it and I didn’t struggle severely. I did struggle when I tried the extra credit part of getting it to guess my number in under ten turns. When I couldn’t figure it out I did the cop out way and had it guess every number using a while loop.

The other part of the homework assignment was very easy compared to the first part. Adam Carter did a great job explaining while loops and how to get them to stop using >= and ‘and ‘or’ statements and the ‘variable += 1’ it was very helpful. I did it fairly quickly and I got it down and I was proud of myself for getting the job done so well. I used Boolean variables to get the loop to stop, which I thought was pretty clever but probably pretty basic to most programmers.

This homework got me comfortable using while loops and using True/False variables. It also reminded me that I can use computer science for almost any situation to help solve many problems I may encounter.

I would recommend this homework because at this point in the semester I was well prepared to take on this task unlike the other homework assignments where I felt I lost. In this assignment I did struggle but I understood how everything was working and what I needed to fix when I encountered errors in my work.

The most difficult part was getting the program to guess in 10 steps or less. I understand that you should make the first guess 50 and the next guess 75 or 25 based on higher or lower. I got the math for making it lower it was just the variable // 2 so you didn’t get a decimal. I didn’t get how to go higher because I couldn’t do the variable \*= 2 because it would go to one hundred and my other variable would put it back at 50 if I entered lower. I also struggled to get the loop to stop once I entered lower it would keep halving even when I entered higher or if I entered any other gibberish.

In conclusion, this was a good homework assignment and I had a lot of fun doing it. The extra credit part was difficult and I was not able to do it, but I’m sure Adam Carter will show the class how to do it sometime in one of his lectures.