As you look back on this semester, please take a moment to reflect on your experience, recognizing the challenges, successes, and all that you've learned along the way.

Please respond thoroughly to the following questions (likely about 1-2 paragraphs each).

1. What is one program you wrote that you were particularly proud of during this course? Why were you proud? Explain.

The one program that I was particularly proud of making during this course was the one from Week 8, the Wordle Clon. I was proud of it because it was the first time I felt challenged in this course, up until that point I had mostly completed the assignments by just using what felt like common sense as I already had an understanding of how the basic components of programming worked even before I took this course. This time I couldn’t rely on prior knowledge and I was ultimately forced to figure it out on my own as I go, trying different things to see what worked and what didn’t. Understanding the quirks and workarounds of working with embed loops and later realizing that it wasn’t needed in the first place and that I just wasted my time struggling with a solution that wouldn’t work.  
  
After completing it I was very satisfied, and although managing to “solve” it was part of the reason, the thing I was thinking about the most was how this experience allowed me to get a glimpse of what working on complex projects would be like, as most of the time I will not have the answers to make them right away.

1. How might you use the skills you learned in this course in the future? This might include skills such as programming, problem-solving, debugging, etc.

I will use the skills I learned in this course in the future by implementing them while working on personal projects where I can practice them and hopefully make a program that is good enough to possibly include it in my résumé.

I will also probably make simple scripts that allow me to automate tedious tasks that happen sometimes   
 throughout the week, or even manage to customize some of the programs that are installed in my

computer by editing the files with visual studio code.

1. Describe an experience from this class that has given you confidence that you can learn new programming skills in the future.

One experience from this class that has given me confidence that I can learn new programming skills in   
the future was in the last couple weeks when learning about functions. They are useful more a multitude of reasons, and once I got used to them and started seeing them as vital components of a well-designed program, I wondered whether the past assignments could have been improved upon if I used functions.  
  
I spent quite a bit of time looking at each of the assignments I had done so far in this course, including the examples where I remembered a different solution was used, and tried to implement functions in them to see just how much could be simplified or written in a way that allowed the function to be expanded in the future. I was able to successfully add it to some of them, the others were either too simple to need it or I discovered that it had better solutions than using a function. This was enough proof to me that I had the capacity to understand new programming concepts and apply them effectively, as well as noticing when one solution might be more suitable than other.