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.

This is a tough question because I am very proud of all the programs, I have made this semester. Python is the first programming language I have learned. I came into this class not really knowing what was possible but having big ideas of things that I wanted to accomplish and seeing the steady progress I have made throughout the semester in not just being able to create things in python but being able to look at code of different types and languages and being able to some what understand what is actually happening in them now, has been a super cool experience! Before this class and before my mission I tried messing around with unity and coding in C# but had absolutely no idea what I was doing, I thought it made sense but looking back I was just copying and pasting things claiming I could code. Now I actually understand, and this class has made me even more excited to see what other things I can do moving forward!

Going back to the project I was most proud of; I would have to say over everything else I’m most proud of the Wordle program. That one was really difficult to wrap my head around at first. Having the opportunity to have my uncle walk me through how the program should be constructed was really helpful though because it helped me better understand how for loops work and how pairing them together can make some really intricate comparisons happen was super cool! It’s also because I was able to receive that greater understanding that it is my favorite, I was able to take a concept that seemed foreign and confusing and turn it into a great tool I can have in my programming belt now!

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.

The ability to debug is a huge thing for me! Not just other people’s code but my own as well! I didn’t realize how crucial rubber ducking your code was until I started being able to notice and solve the problems with my code. Whether it was a variable that was incorrectly assigned, or a function that was missing parenthesis, I started being able to isolate problems a lot faster, making my programming a lot faster and working consistently.

I also think a huge habit that I picked up from this class that is going to help me tons is the hockey puck method, testing each function of code to make sure it functions the way you expect it to before moving on proved to be very helpful especially on the projects that we did towards the end of the semester. Also over the past few weeks I have listened to a few videos doing a crash course on different programming languages, and all the things that I have learned from python have made it so I can actually understand what is happening in other peoples code, maybe not to the fullest extent, but I don’t feel lost when I am being walked through how different types of code work any more which is a super cool feeling!

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

As I’ve been mentioning throughout my previous answers, I can actually understand programming terminology and concepts now! The logic behind how different commands and functions preform tasks, and how those build the programs that we use each and every day has been super cool! I know I still have a long way to go before I can consider myself to truly be proficient in this profession, but it has been a blast learning about the building blocks for programs of all different kinds and how they work.

I think the greatest thing of all, however, is how excited this class has gotten me to learn more. I find that I don’t get incredibly passionate about very many things, and I often find myself becoming bored or complacent with my knowledge on things pretty quickly if I don’t know how it is applicable. Programming, however, has become one of those things that consistently has me on the edge of my seat wondering what is next. What can I learn? What can I do? What can I create with the skills that I have learned?! I think that the biggest thing that I have taken away from this class is remembering how exciting it is to learn. I couldn’t have asked for a better introduction to college and especially programming. Motivation has entered my life and I’m going to take that and run with it!