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.

I am most proud of was my shopping cart milestone. At the time, that was the most complicated code I had written so far, and I was at that time struggling with lists and using functions to manipulate those lists. It also included functions like delete and for loops that I was not very confident with. This program was the first time I was able to competently apply those in a well-functioning code that executed how I expected it to. I struggled for a long time on this code, and when it finally worked, I was so relieved because my hard work had paid off.

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 programming skills that I learned in this class will help with my future career as a data analyst. Learning how to iterate through .CSV files was very helpful, then using code to return specific information will definitely be useful in the work force. The debugging skills I developed while learning python were helpful too. Most of the time, the issue was a missing quote, parenthesis, a float or int, or the print statement was in the wrong place. These small things had the ability to break my whole code and if I didn’t learn to look out for them, I would’ve struggled more in the class.

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

It helped me learn the logic of programming that applied to the other programming languages I learned. For example, python taught me the for loop and the “i” function; both of which I have used in R to perform statistical analysis. If it weren’t for my understanding of for loops and of i, I would not have been able to explain what they do to some of my stats partners when they had questions about the code and the syntax.