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

One program I wrote during this course that I am particularly proud of was an exercise about chemistry and the elements. Chemistry was one of the hardest subjects for me to understand in school, and I never really enjoyed it. However, while coding this program, I started to see chemistry from a different perspective. Breaking down the elements into structured data and writing functions to process and display information helped me grasp concepts that once felt overwhelming. This experience showed me that programming can make complex topics more accessible and even enjoyable, which was a rewarding realization.

**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 skills I learned in this course will be very useful in my future career as a DevOps engineer. One of the most valuable things I gained was the ability to approach problems logically and think of solutions, whether in coding or other areas. Before this course, I wasn’t completely comfortable with Python, but through programming exercises, debugging, and problem-solving, I became more confident in my ability to write and understand code. These skills will help me automate tasks, manage infrastructure efficiently, and troubleshoot complex issues in DevOps. Overall, this course has strengthened my problem-solving mindset, which is essential for my future goals.

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

At the beginning of this course, I wasn’t sure if I was going to make it this far. I even considered withdrawing because I was already taking other difficult coding subjects, and I felt overwhelmed. However, after praying and putting in the effort to understand the programming language—not only through the course material but also by studying on my own—I started to see real progress. Little by little, the code made more sense, and I became more comfortable solving problems. This experience gave me the confidence that I can learn new programming skills in the future, no matter how challenging they seem at first.