Today was my fourth day of my internship at Surfboard Payments, and I learned several new concepts and skills.

I started by learning about propositions and Boolean logic. I now understand that propositions are statements that can be either true or false, and Boolean logic involves operations like AND, OR, and NOT. These concepts are used in programming to make decisions and control the flow of a program.

I also learned about the Command Line Interface (CLI) and how it is used to interact with the operating system through text-based commands. I practiced using basic CLI commands for navigating directories, managing files, and executing programs. I now understand that CLI is often preferred because it is faster, consumes fewer system resources, and allows automation through scripting.

In addition, I learned about different input devices and communication mediums, such as mobile phones, microphones, joysticks, browsers, mice, and keyboards. Understanding how these devices function helps in designing better user interfaces and improving system interactions.

One of the key practical skills I gained today was creating, editing, and saving files using the command line. I learned how to create a file using echo > filename.txt and touch filename.txt. I also edited files using command-line editors like nano, vim, and notepad. I now know how to save and exit from these editors, such as using :wq in vim and CTRL+X, Y, and Enter in nano.

I also explored version control using GitHub. I learned how to create a local repository with git init, connect it to a remote GitHub repository using git remote add origin, and push files using git add ., git commit -m "message", and git push origin main. This gave me a better understanding of how developers collaborate and manage code efficiently.

Finally, I learned how to download and install Git Bash and create a GitHub account. I also configured Git with my username and email using git config --global user.name "Your Name" and git config --global user.email "your@email.com".

Overall, today's learning helped me understand the importance of Boolean logic in programming, improved my efficiency in using CLI, and gave me hands-on experience with Git and GitHub. These skills will be valuable for managing files, automating tasks, and working with version control systems in a professional environment.