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Programming Project I – Summary

For this programming project, I learned how to create my own version of a UNIX shell, which is simply an interactive interface between the OS and the user. This specific shell, accepts inputs from the user and initiates processes on the OS based on what input the user has prompted. I learned how to create a UNIX shell which can run processes in the background, can show the user when a process has been terminated, and also show the user the PID and PPID of the processes running. This project also taught me about how processes function and the interface between the user and the OS.

Overall, this project has really helped me to understand the entire working of OS and LINUX, and has given me more hands-on experience in coding with C. It also gave me a much better understanding about the parent and the child processes, and “waitpid” comes in role during the execution. Although it took me multiple efforts to everything working without errors, I was very excited to know that I have built my own “Shell” from scratch.