Contribution

Both contributed equally

Github Repository

[Sanchay117/OS-Shell: Assignment 2 Of Operating Systems Course (github.com)](https://github.com/Sanchay117/OS-Shell)

SimpleLoader Implementation

This program implements a custom shell that supports command execution with pipe functionality, using child processes. Here's a brief explanation of key parts:

1. **Command Input**: The read\_user\_input() function reads commands from the user using getline(). The shell also removes leading and trailing spaces from the commands.
2. **Command Splitting**: The split\_command() function breaks commands into smaller parts, accounting for spaces and pipes (|).
3. **Piping**: The shell handles commands connected by pipes, redirecting outputs from one process to another with pipe() and dup2().
4. **History**: The shell maintains a history of commands, stored in the history array.
5. **Execution**: Child processes are created with fork(), and commands are executed via execvp().