

Assignment 1

Question 1: You have to develop a **custom shell**. It will be your own version of a shell in **C language**. Your shell will execute commands given by the user. The steps involved will be as follows:

1. The user types a command, such as "cp ./OS ../newOS". The command will be stored in a character array or a string object.
2. The shell will perform tokenization and separate the command and its arguments.
3. You have to implement the "ls, cp, cd, pwd, mv, mkdir, rmdir, rm, touch, and grep" commands. (you can learn about these commands from this [link](#).)
5. After the command has been executed, the shell will ask the user to enter a command again.
6. The shell will exit when the command given by the user is "exit".

Note: Learn and understand the code written on slides 24 and 25 of chapter 3 and use those concepts in question 1.