# Simple Shell

## **Description:**

-it's a simple shell is simply a program that conveniently allows you to run other programs. Read up on your favorite shell to see what it does.

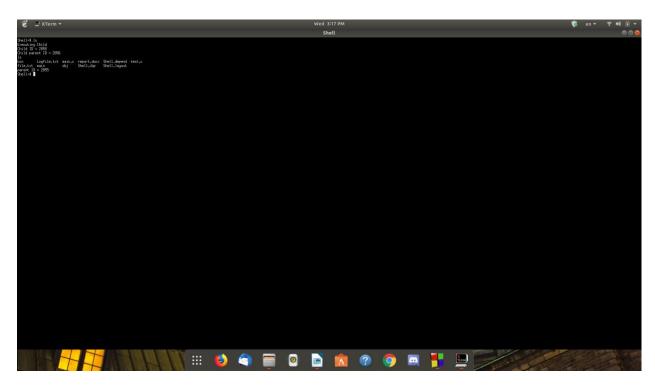
# **Organization of the code:**

- -the code take the commands of the user in infinite loop not be terminated except by close the program or write exit.
- -then if it's a process then it will do fork and check the parent id and child id to do it and in a child it will execute it by execvp function and the parent will wait or continue according to the '&' to make it run in background or not.
- -and then use the signal function to write in log file when the process is terminated.

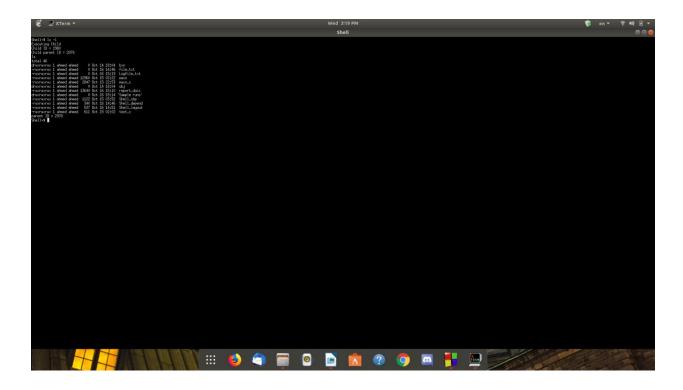
Note: - my code handles the zombie mode too.

## Sample runs:

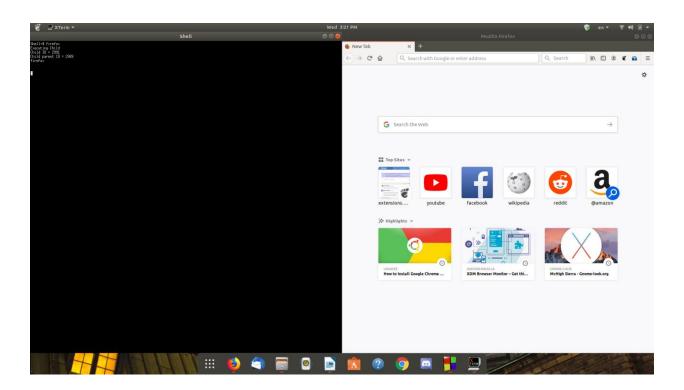
commands with no arguments:



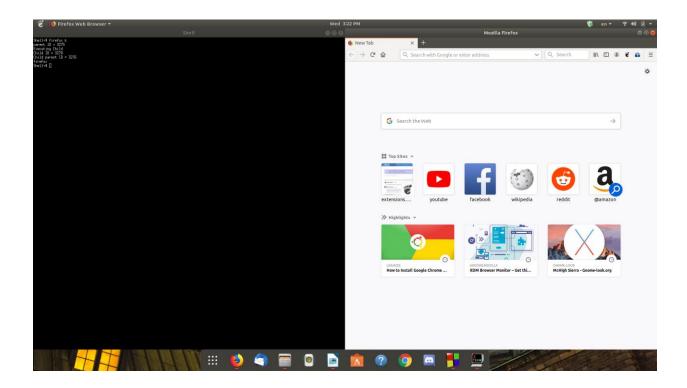
### commands with arguments:



#### commands without &:



#### commands with '&':



# The process hierarchy with system monitor:

