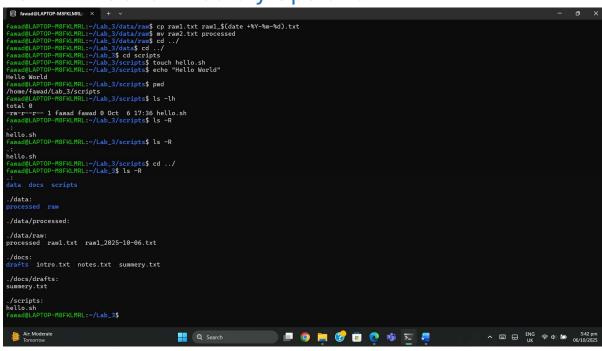
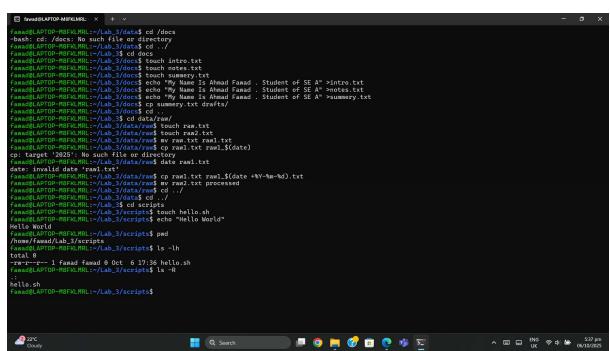


National Textile University **Department of Computer Science**

Subject:
Operating System
Submitted to: Sir Nasir
Submitted by: Ahmad Fawad
Reg number:
Lab no. : 03 Home Task
Semester:

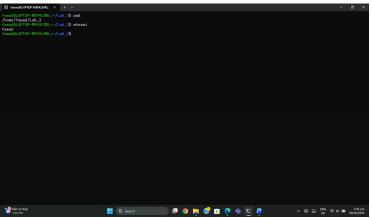
Part 1: File and Directory Operation:

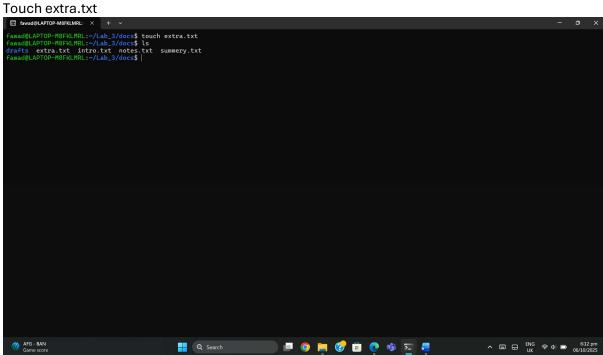




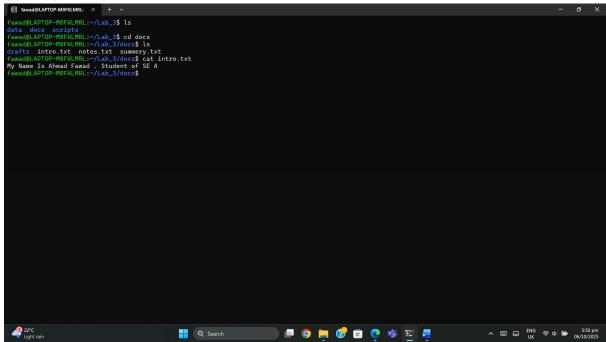
Part 2: Practice with Basic Linux Commands:

Pwd & Whoami





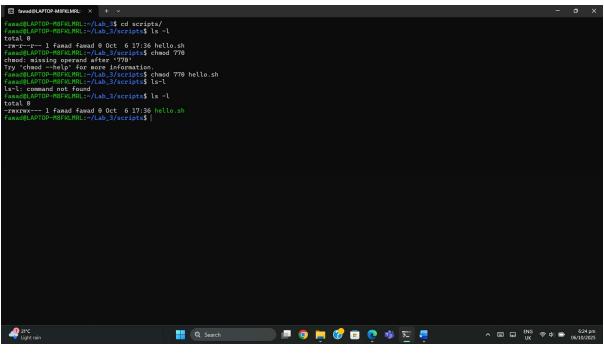
Cat intro.txt

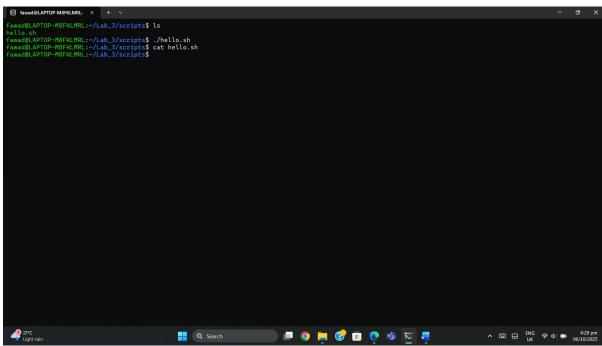


history | tail -n 5

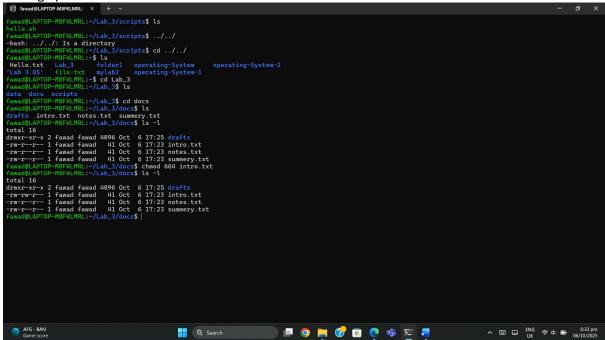
Part 3: File Permissions and Ownership:

Change permissions of hello.sh

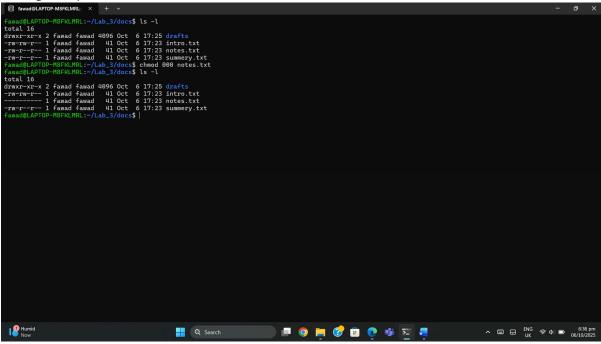




Change permissions of intro.txt

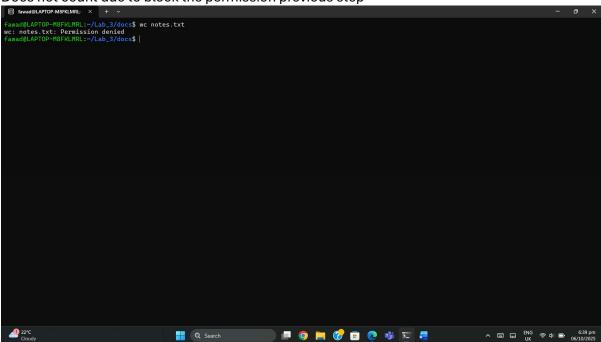


Change the permissions of notes.txt

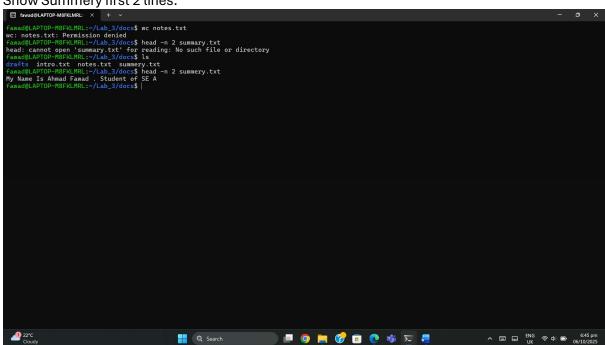


Part 4: Reading & Searching Files:

Does not count due to block the permission previous step

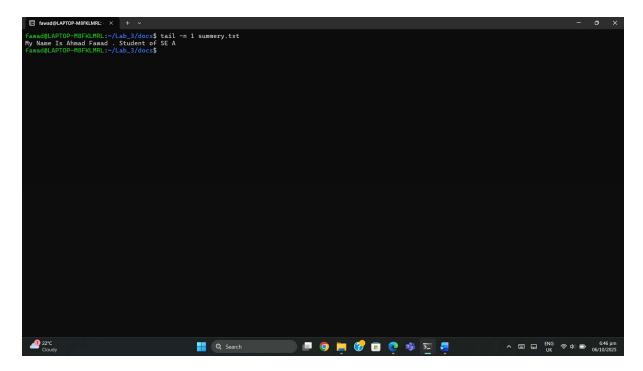


Show Summery first 2 lines:

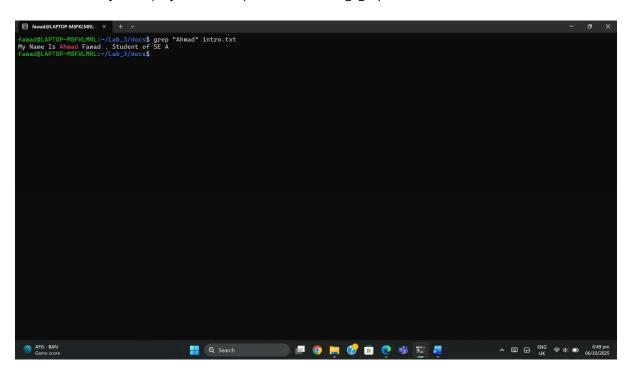


Show tail of summery 1 line

it show same line because I insert in summery.txt only one line



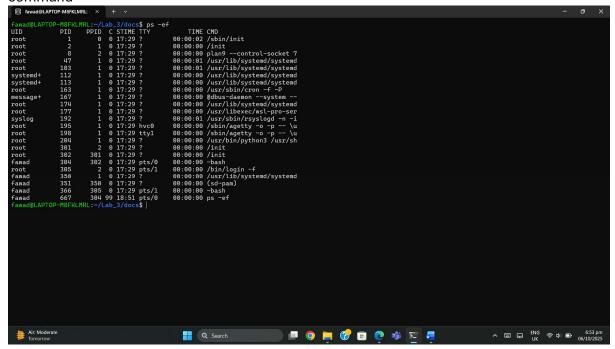
Search for a keyword (of your choice) in intro.txt using grep



Part 5: Linux Process Commands:

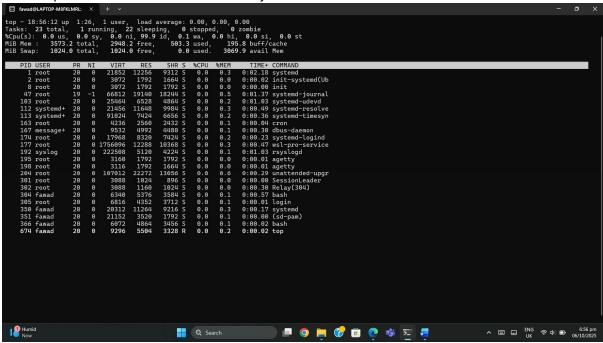
1. Explore Process:

Use ps -ef and identify 3 processes running on your system. Note their PID, PPID, and command



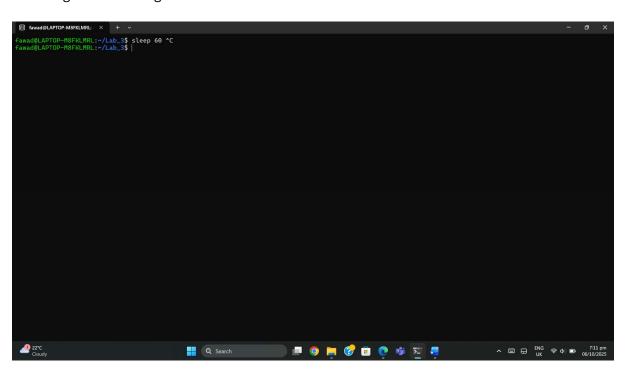
Which process is consuming the most CPU. Which process is consuming the most memory... All processes consume equal cpu.

But 350 process consumed more memory



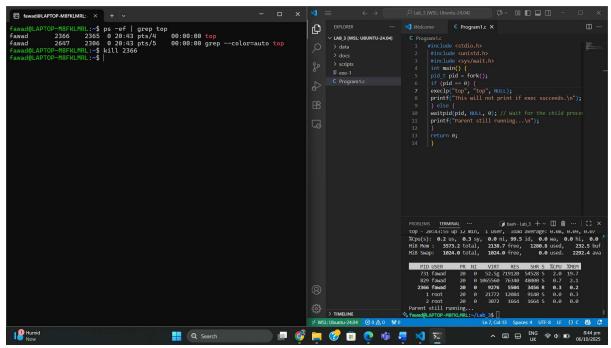
2. practice with Infinite Process

3. . Foreground & Background Jobs



Part 6: C Programs on Processes:

1. Program 1 – Exec with top



2. Program 2 – Incomplete Program