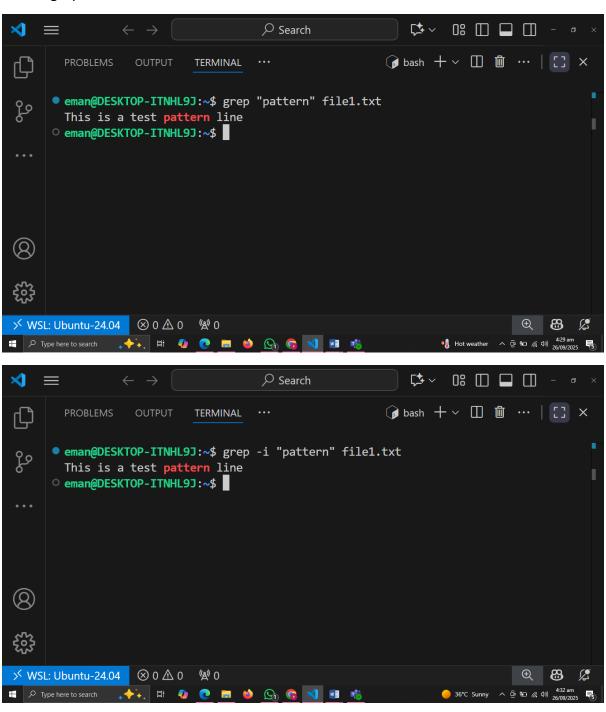
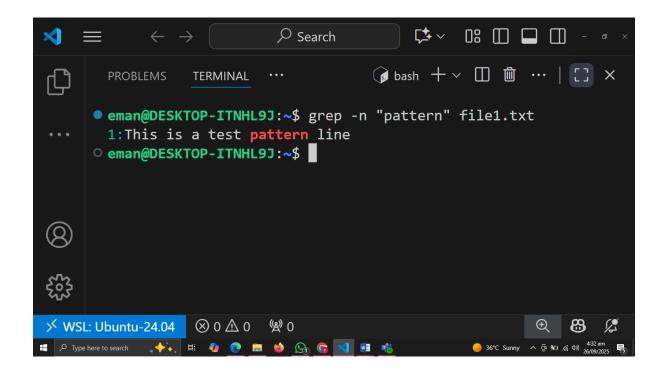
Part 5: Text Processing and Utilities

5.1 Essential Text Commands

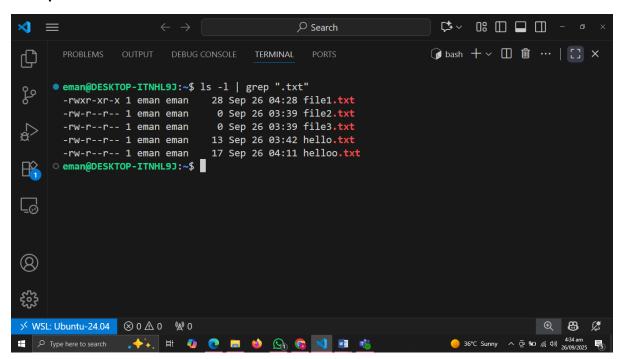
Commands to demonstrate

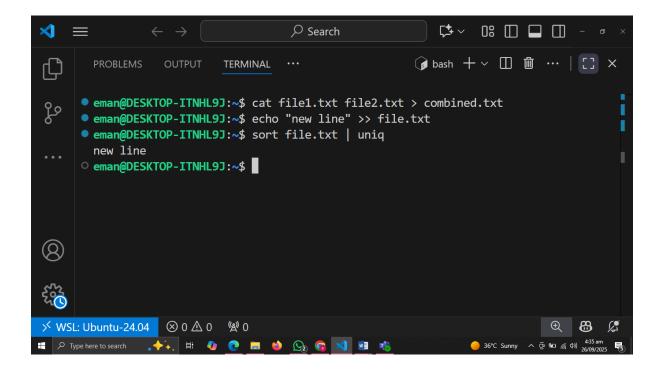
• grep





5.2 Pipes and Redirection





Part 6: Introduction to Processes

6.1 Understanding Processes

ps

```
∠ Search

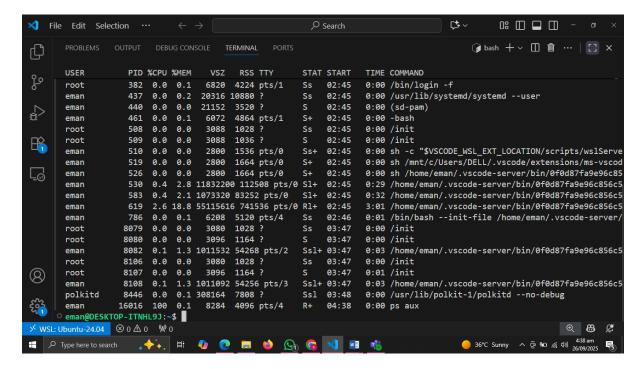
                                              PROBLEMS OUTPUT
                       TERMINAL
C
     eman@DESKTOP-ITNHL9J:~$ ps
 وړ
          PID TTY
                        TIME CMD
          786 pts/4
                    00:00:01 bash
                  00:00:00 ps
        15900 pts/4
     ○ eman@DESKTOP-ITNHL9J:~$
(A)

✓ WSL: Ubuntu-24.04

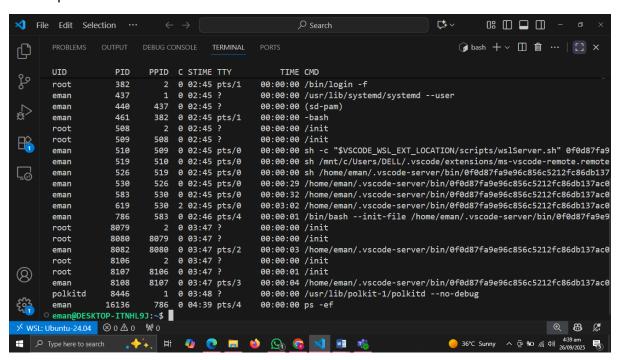
※ 0 ▲ 0 ※ 0

                                                               ● 36°C Sunny ヘ ② 智 (438 am 156/09/2025 号
ff 𝒫 Type here to search 🗼 🖟 🖟 🖟 💮 🔞 🔞 🔞 📢 🐠
```

ps aux



ps -ef



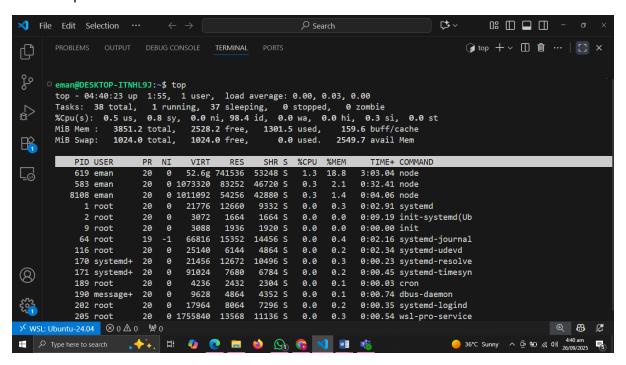
pstree

```
Ç$∨

∠ Search

X File Edit Selection ···
                                                                                 (a) bash + ∨ [] | fill ... | [] ×
      PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
     eman@DESKTOP-ITNHL9J:~$ pstree
      systemd—_2*[agetty]
               -cron
₽
               -dbus-daemon
               -init-systemd(Ub——SessionLeader——Relay(510)——sh——sh——sh——node-
                                                                             node bash pstr
11*[{node}]
                                                                                         -pstree
略
                                                                             node---12*[{node}]
                                                                            -SessionLeader----Relay(8082)----node----6*[{node}]
                               -SessionLeader---Relay(8108)---node---6*[{node}]
                               —init——{init}
—login——bash
                               -{init-systemd(Ub}
               -polkitd---3*[{polkitd}]
-rsyslogd---3*[{rsyslogd}]
               systemd——(sd-pam)
               -systemd-journal
               -systemd-logind
(8)
               systemd-resolve
               -systemd-timesyn---{systemd-timesyn}
               -systemd-udevd
               -unattended-upgr----{unattended-upgr}
⊕ 🔠 🙎
                                                                               ● 36°C Sunny へ ② 智 (43) 4:39 am 26/09/2025
```

top



- htop
- kill PID
- killall process_name
- pkill pattern

