National Textile University

Department of Computer Science

Subject:
Operating System

Submitted to:
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Submitted by:
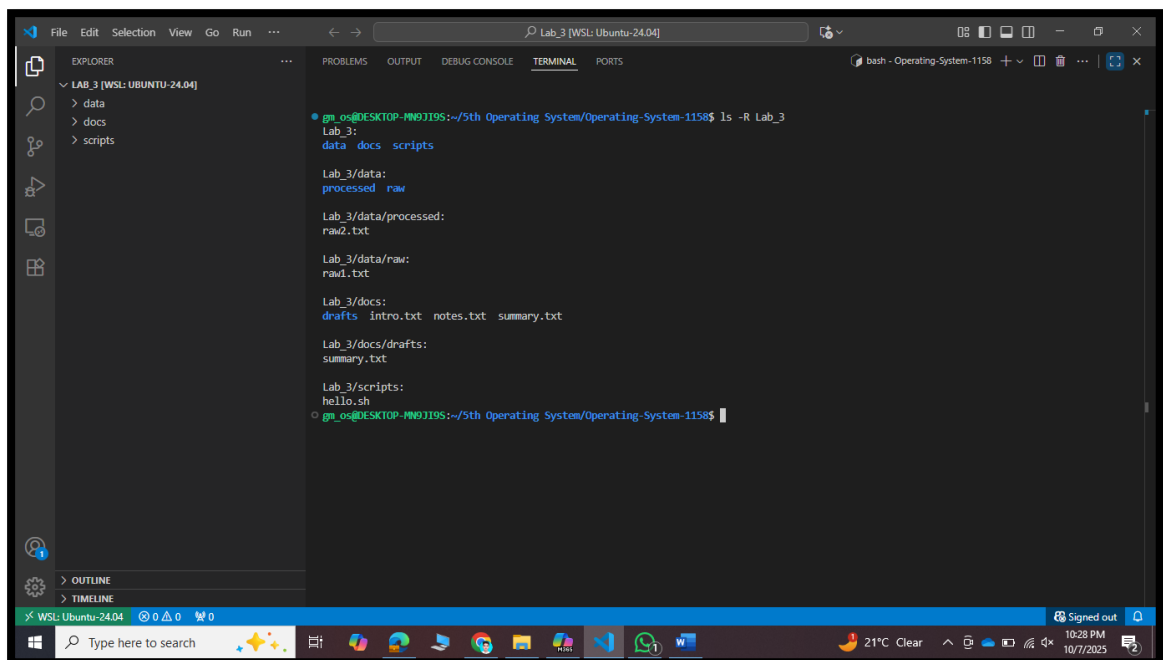Ghulam Mohyuddin

Reg number:
23-NTU-CS-FL-1158

Lab number:
3rd Home Task

Semester:
4th

Part 1

```
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158$ ls -R Lab_3
Lab_3:
data  docs  scripts

Lab_3/data:
processed  raw

Lab_3/data/processed:
raw2.txt

Lab_3/data/raw:
raw1.txt

Lab_3/docs:
drafts  intro.txt  notes.txt  summary.txt

Lab_3/docs/drafts:
summary.txt

Lab_3/scripts:
hello.sh
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158$
```
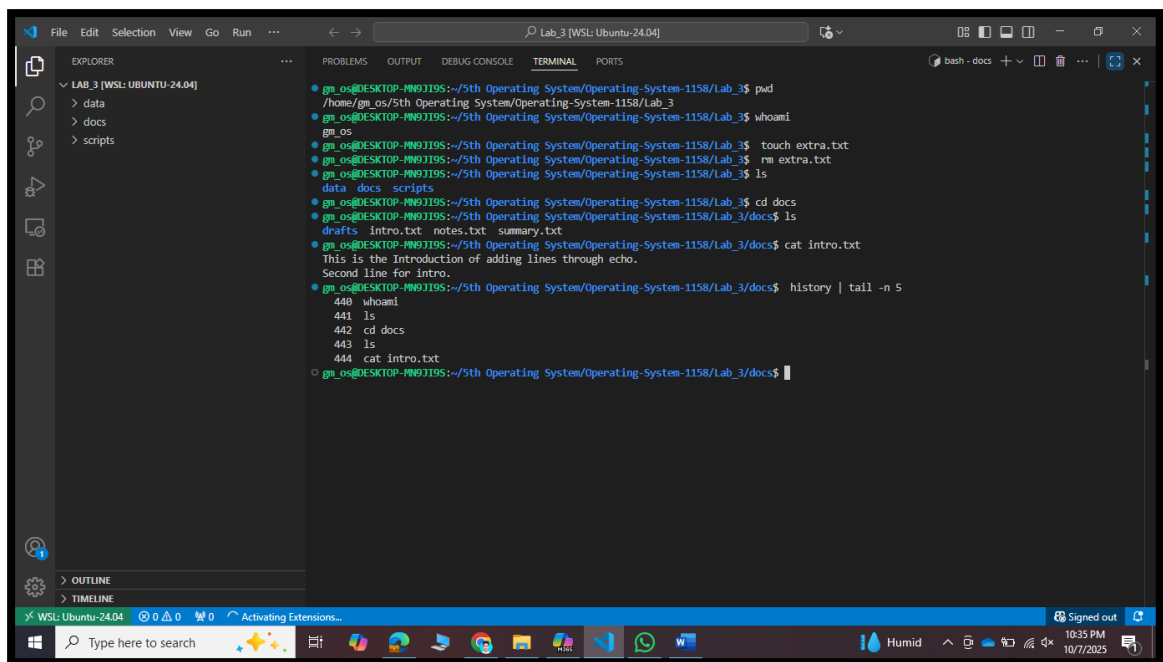
Part 2
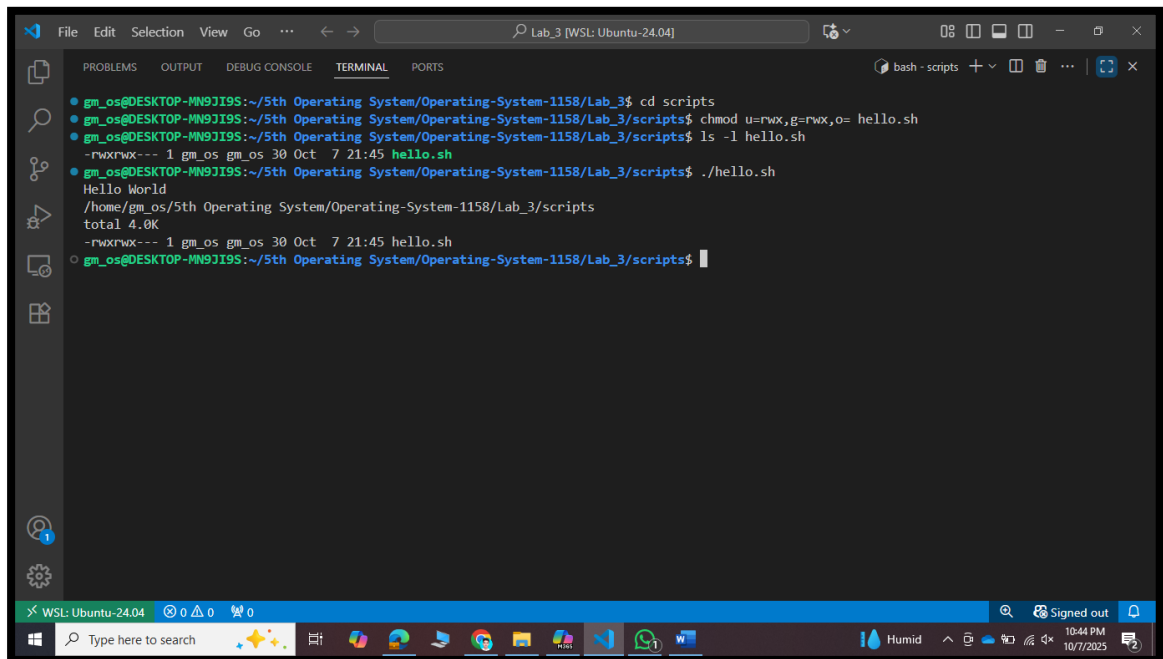
```
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3$ pwd
/home/gm_os/5th Operating System/Operating-System-1158/Lab_3
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3$ whoami
gm_os
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3$ touch extra.txt
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3$ rm extra.txt
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3$ ls
data  docs  scripts
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3$ cd docs
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3/docs$ ls
drafts  intro.txt  notes.txt  summary.txt
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3/docs$ cat intro.txt
This is the Introduction of adding lines through echo.
Second line for intro.
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3/docs$ history | tail -n 5
   440  whoami
   441  ls
   442  cd docs
   443  ls
   444  cat intro.txt
gm_os@DESKTOP-MN9JI9S:~/5th Operating System/Operating-System-1158/Lab_3/docs$
```
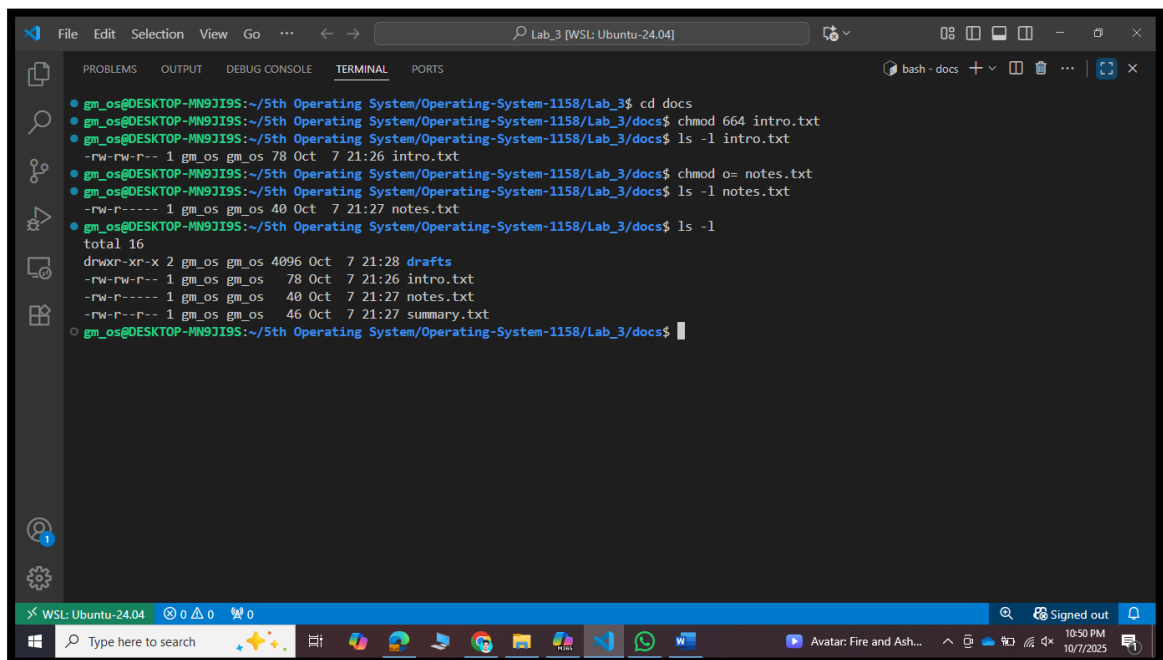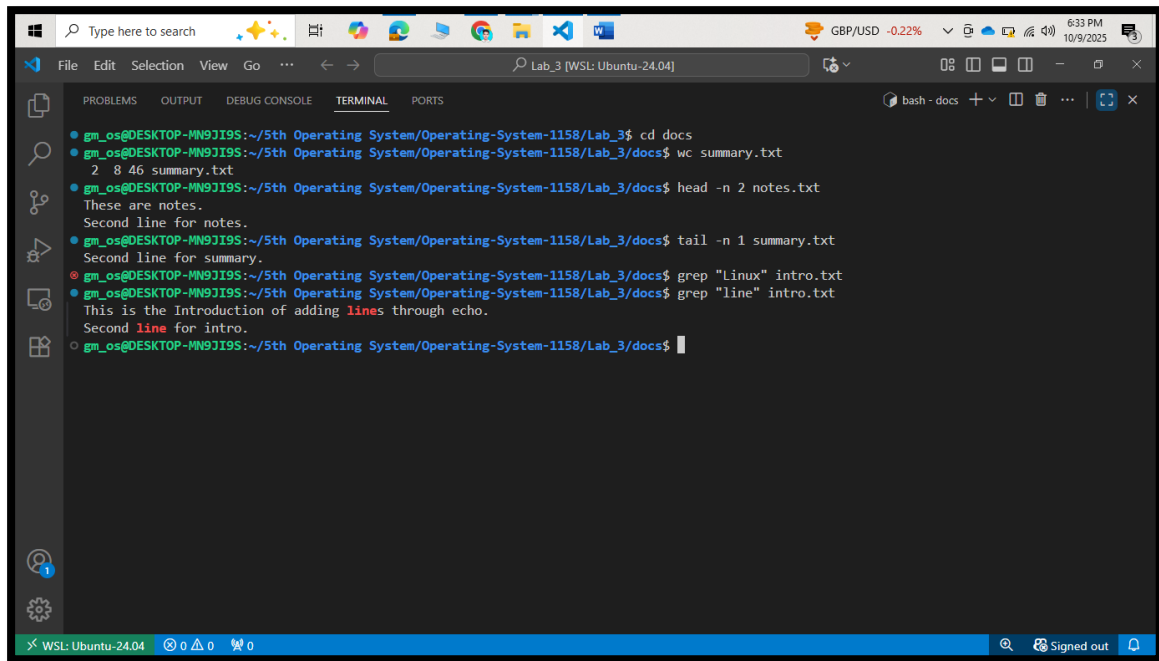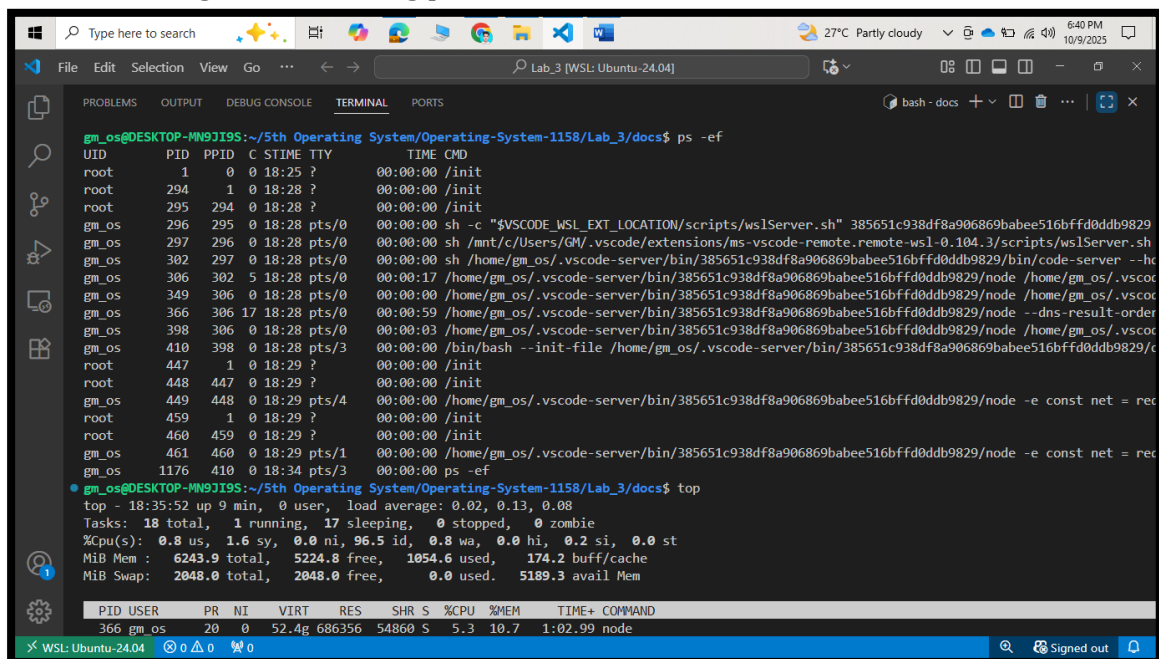
Part 3:
3.1:

3.2:

Part 4

Part 5

- ▪ Showing all the running process.

- Showing the real time activity of system

- ❖ PID 366 is consuming the most CPU.
- ❖ PID 366 is consuming the most memory.

- Creates an infinite process that continues give the output.

- Sleep commad to stop the commad line for the mention second, and fg that birngs backgroung pirocess to foreground, and bg to start or resume the stopped process with the job id.

Part 6
6.1

6.2: