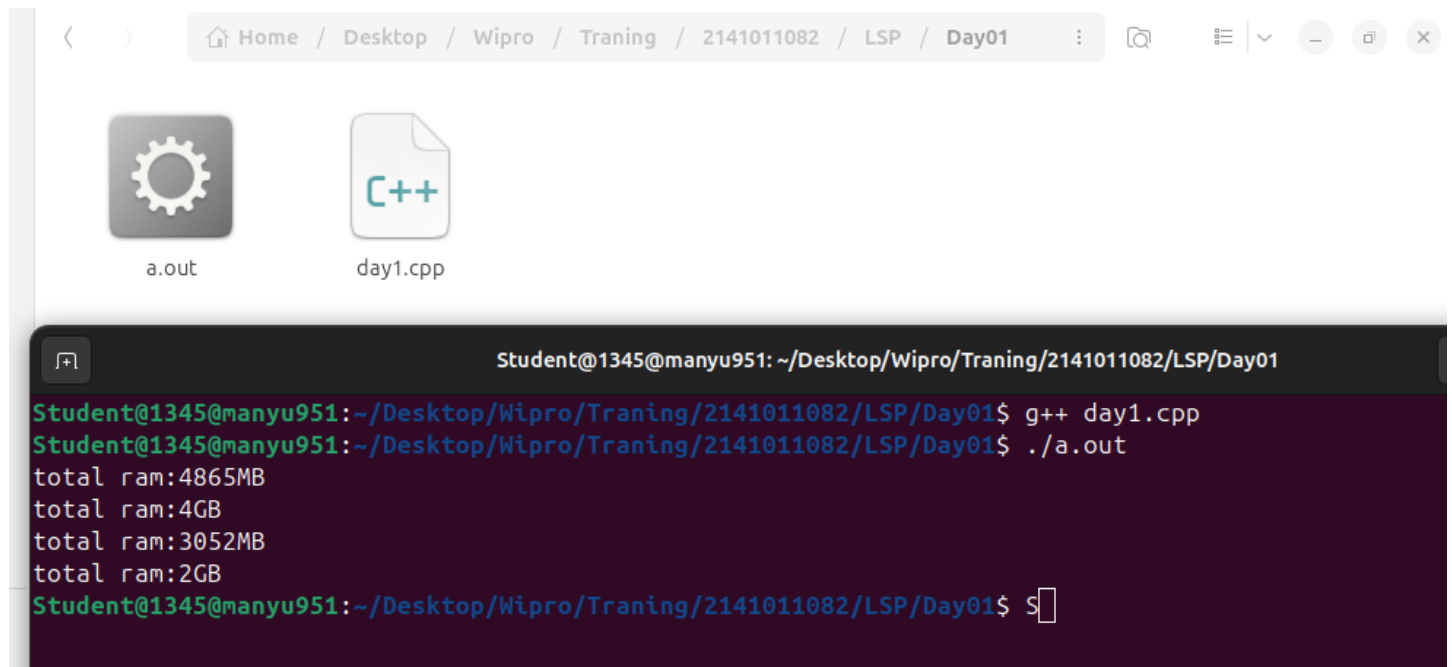


# Wipro Capstone Project 3

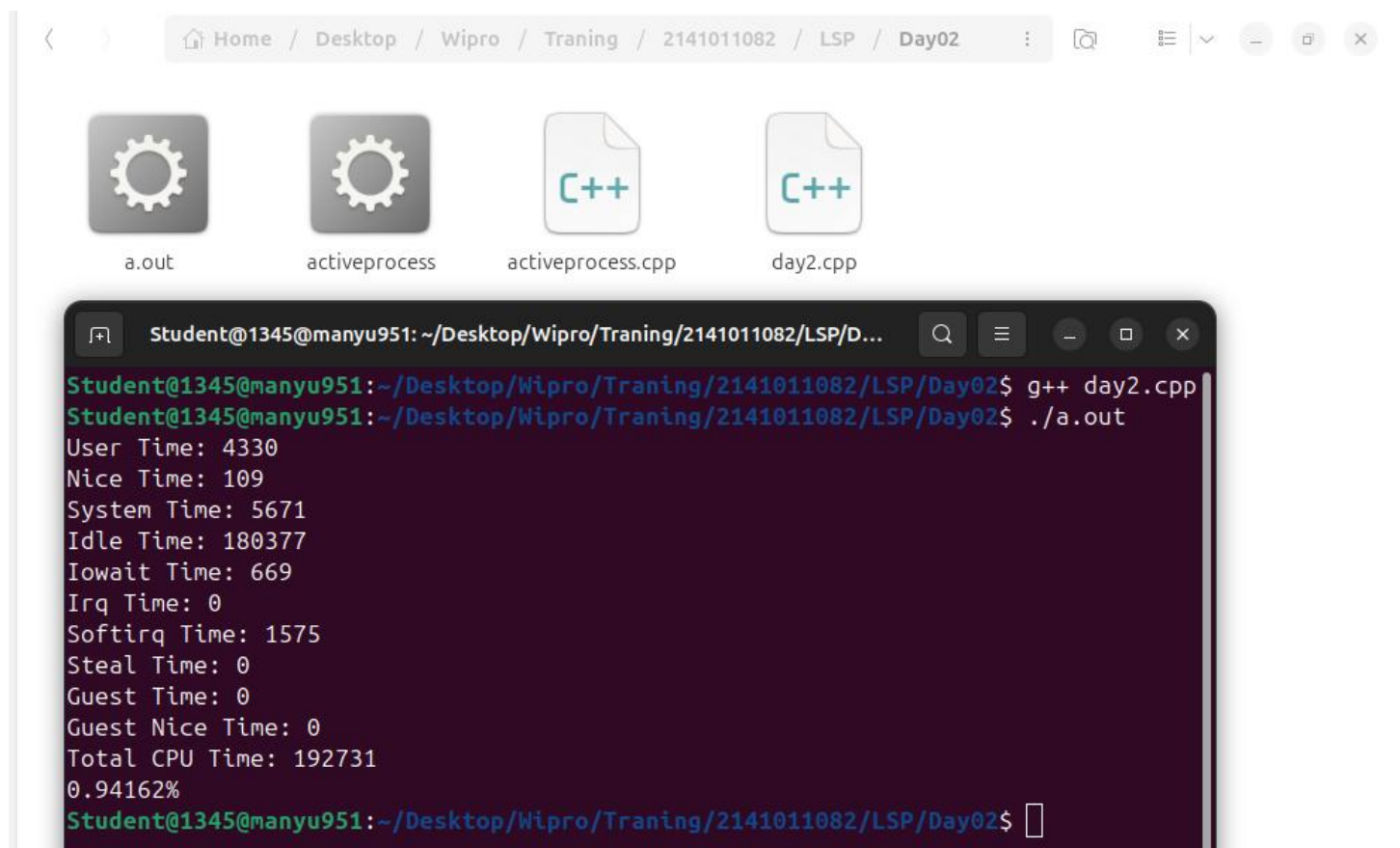
Name : Manyu kumar

Red : 2141011082

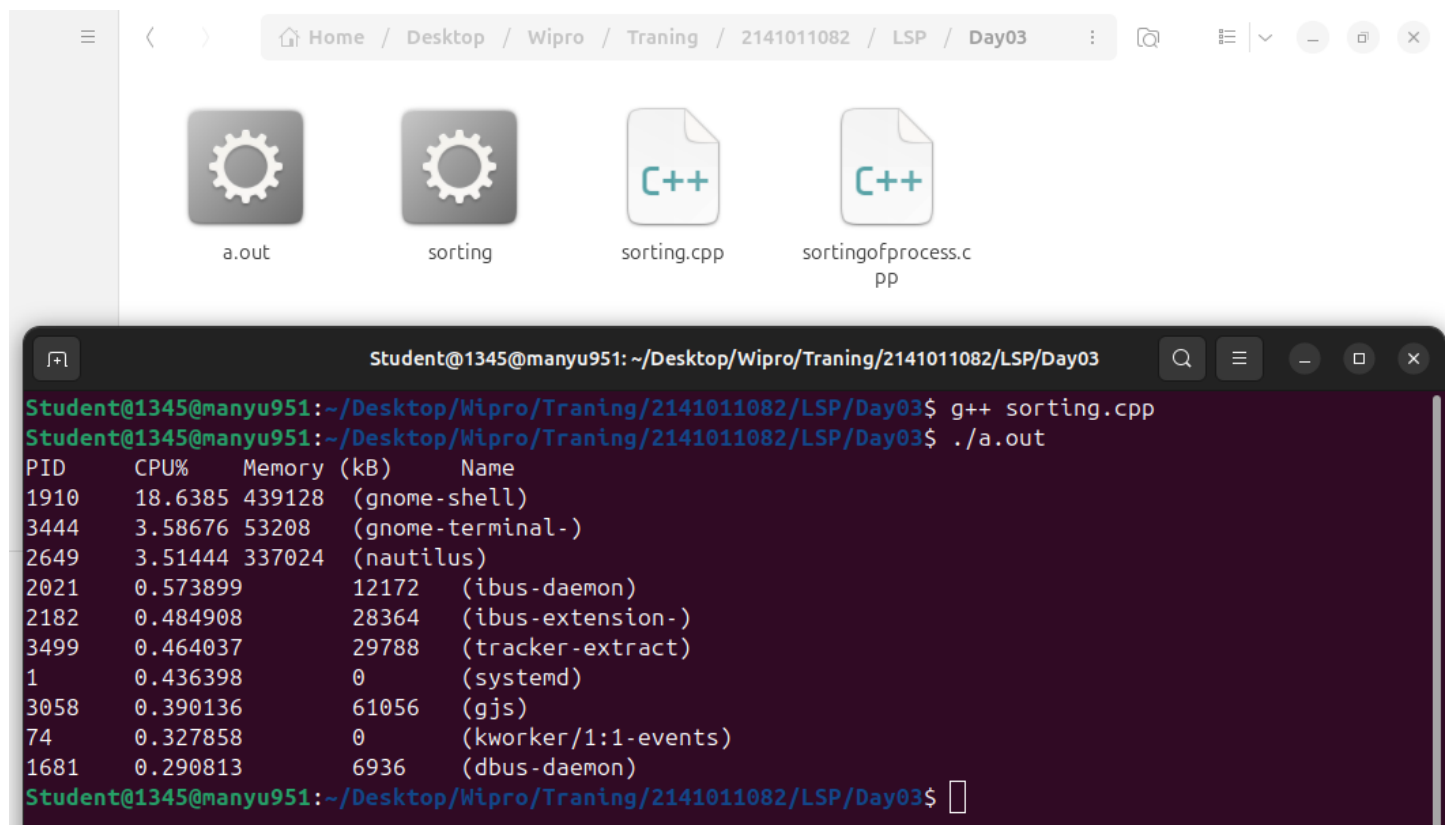
## Day 1: Design UI layout and gather system data using system calls.



## Day 2: Display process list with CPU and memory usage.



## Day 3: Implement process sorting by CPU and memory usage.



The screenshot shows a file manager window with the path `Home / Desktop / Wipro / Traning / 2141011082 / LSP / Day03`. It contains four items: `a.out` (gear icon), `sorting` (gear icon), `sorting.cpp` (C++ icon), and `sortingofprocess.cpp` (C++ icon). Below it, a terminal window shows the following commands and output:

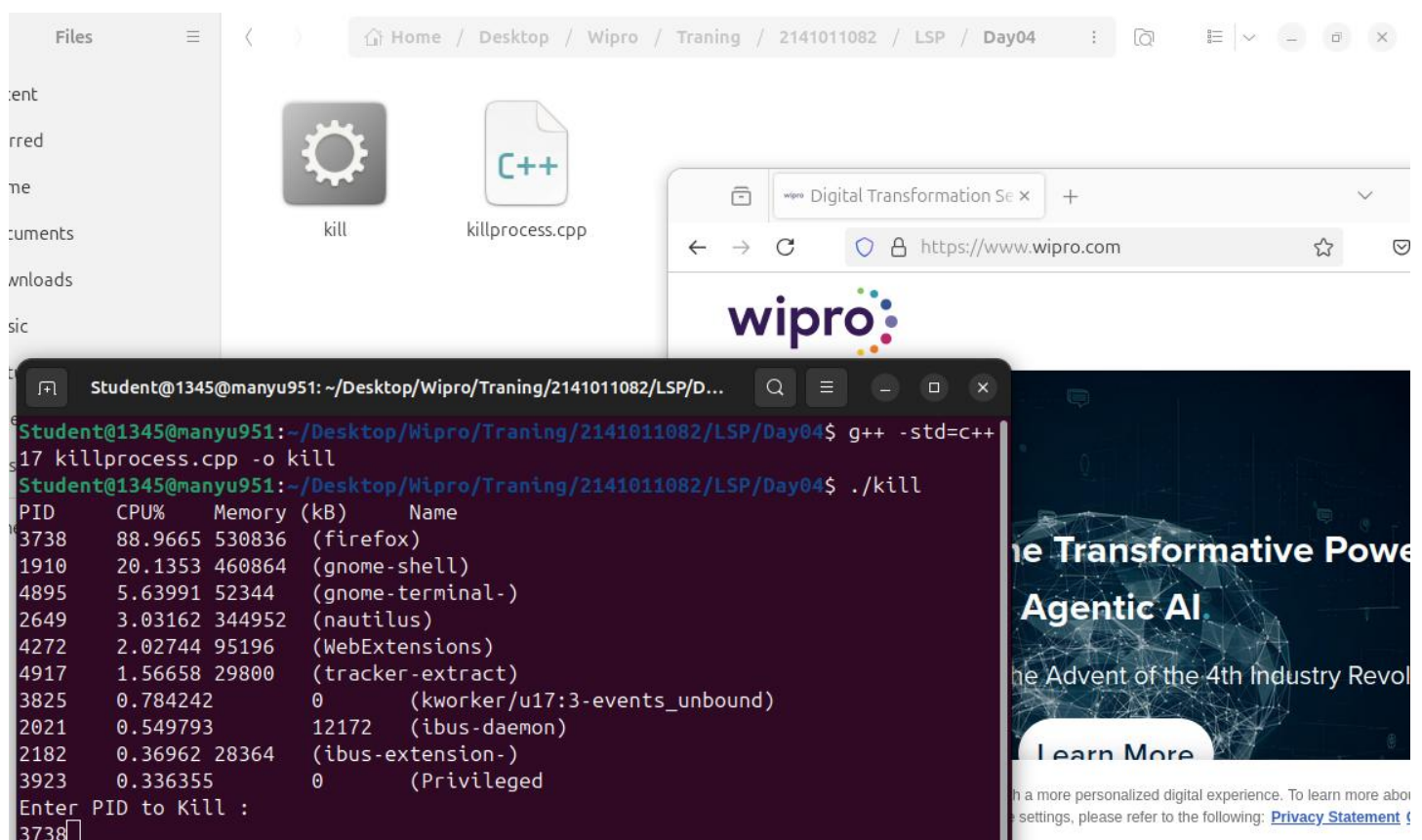
```
Student@1345@manyu951: ~/Desktop/Wipro/Traning/2141011082/LSP/Day03
Student@1345@manyu951:~/Desktop/Wipro/Traning/2141011082/LSP/Day03$ g++ sorting.cpp
Student@1345@manyu951:~/Desktop/Wipro/Traning/2141011082/LSP/Day03$ ./a.out
```

PID	CPU%	Memory (kB)	Name
1910	18.6385	439128	(gnome-shell)
3444	3.58676	53208	(gnome-terminal-)
2649	3.51444	337024	(nautilus)
2021	0.573899	12172	(ibus-daemon)
2182	0.484908	28364	(ibus-extension-)
3499	0.464037	29788	(tracker-extract)
1	0.436398	0	(systemd)
3058	0.390136	61056	(gjs)
74	0.327858	0	(kworker/1:1-events)
1681	0.290813	6936	(dbus-daemon)

```
Student@1345@manyu951:~/Desktop/Wipro/Traning/2141011082/LSP/Day03$
```

## Day 4: Add functionality to kill processes.

I selected the Firefox process id



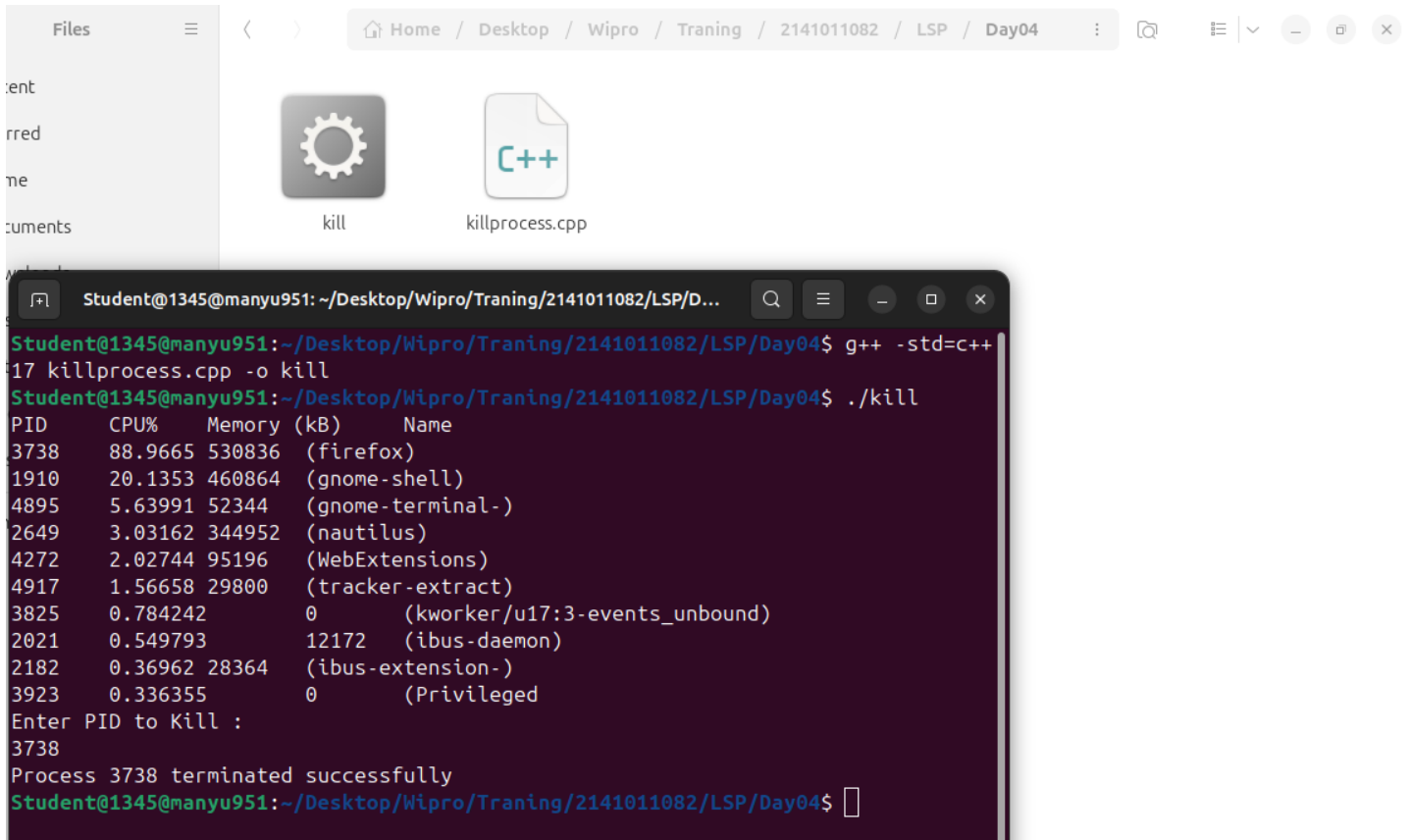
The screenshot shows a file manager window with the path `Home / Desktop / Wipro / Traning / 2141011082 / LSP / Day04`. It contains two items: `kill` (gear icon) and `killprocess.cpp` (C++ icon). To the right, a web browser window shows the Wipro logo and the URL `https://www.wipro.com`. Below it, a terminal window shows the following commands and output:

```
Student@1345@manyu951: ~/Desktop/Wipro/Traning/2141011082/LSP/D...
Student@1345@manyu951:~/Desktop/Wipro/Traning/2141011082/LSP/Day04$ g++ -std=c++17 killprocess.cpp -o kill
Student@1345@manyu951:~/Desktop/Wipro/Traning/2141011082/LSP/Day04$ ./kill
```

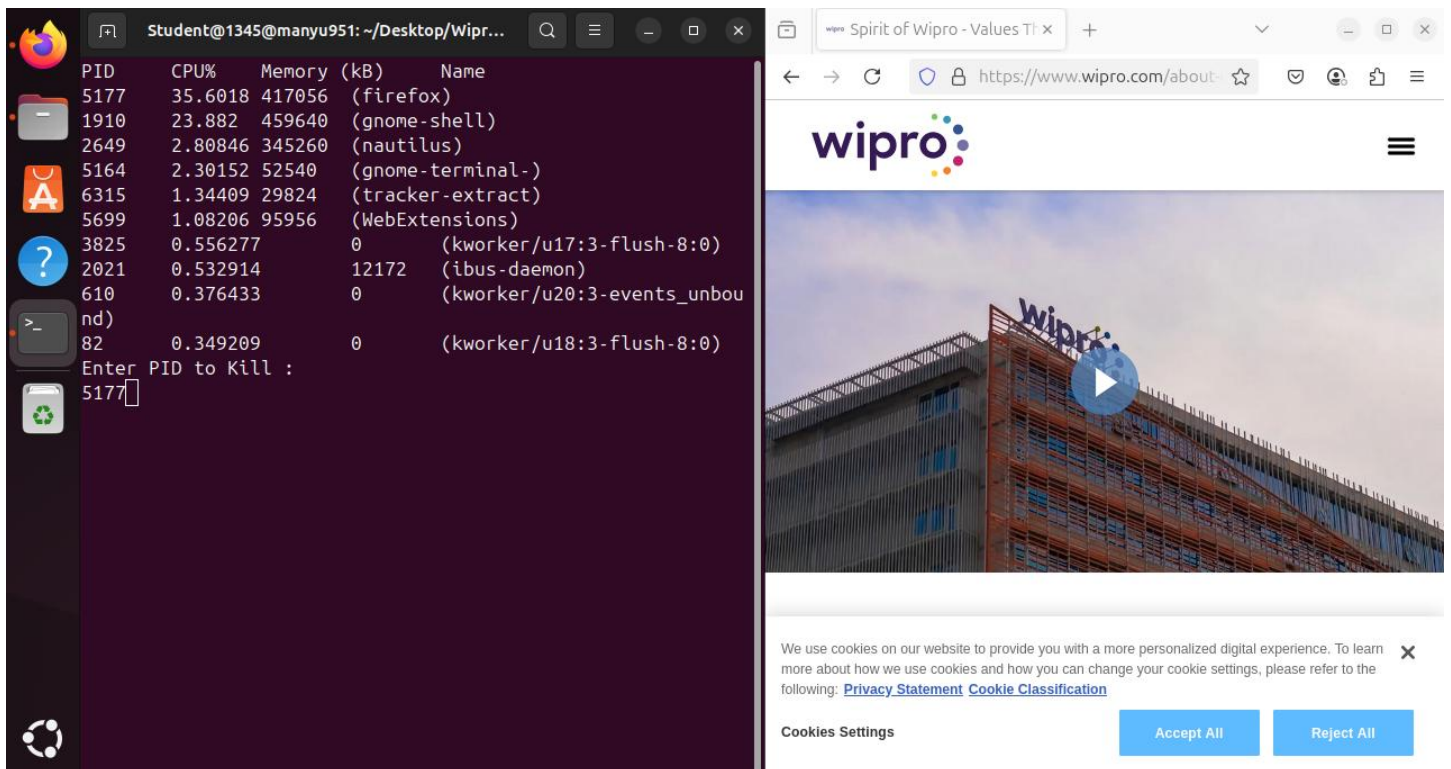
PID	CPU%	Memory (kB)	Name
3738	88.9665	530836	(firefox)
1910	20.1353	460864	(gnome-shell)
4895	5.63991	52344	(gnome-terminal-)
2649	3.03162	344952	(nautilus)
4272	2.02744	95196	(WebExtensions)
4917	1.56658	29800	(tracker-extract)
3825	0.784242	0	(kworker/u17:3-events_unbound)
2021	0.549793	12172	(ibus-daemon)
2182	0.36962	28364	(ibus-extension-)
3923	0.336355	0	(Privileged

```
Enter PID to Kill :
3738
```

I selected the Firefox process and It is closed



**Day 5: Implement real-time update feature to refresh data every few seconds.**



I selected the Firefox process and It is closed and asking for check active process again.

