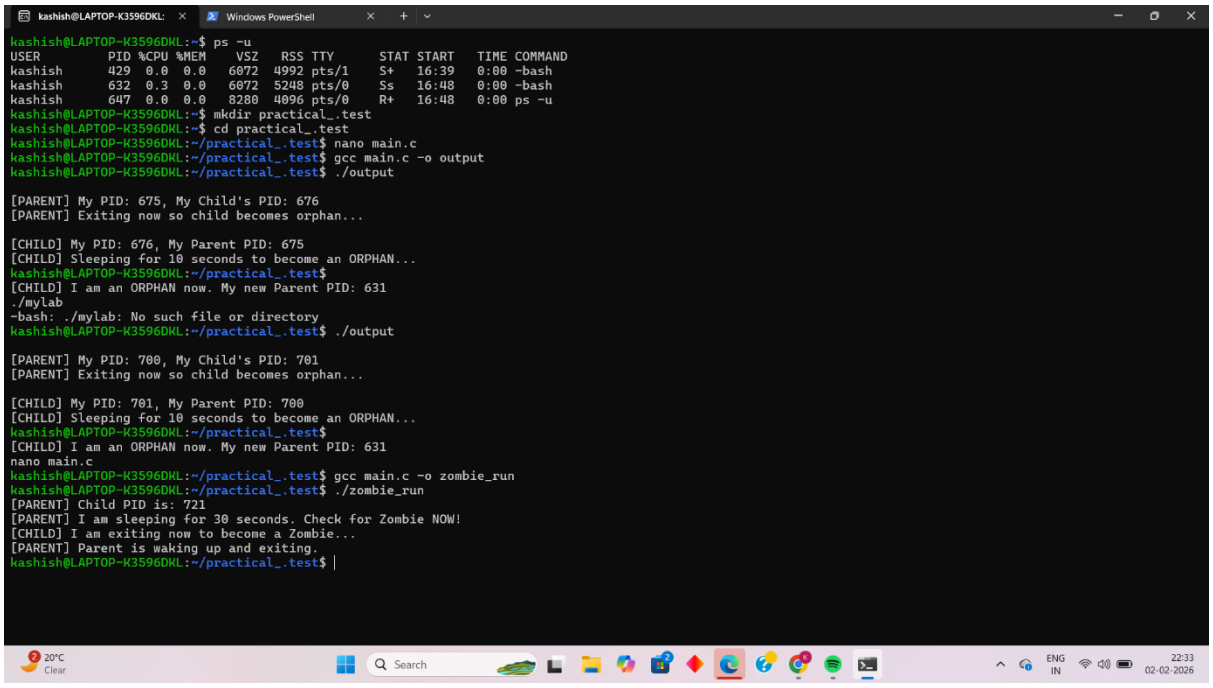
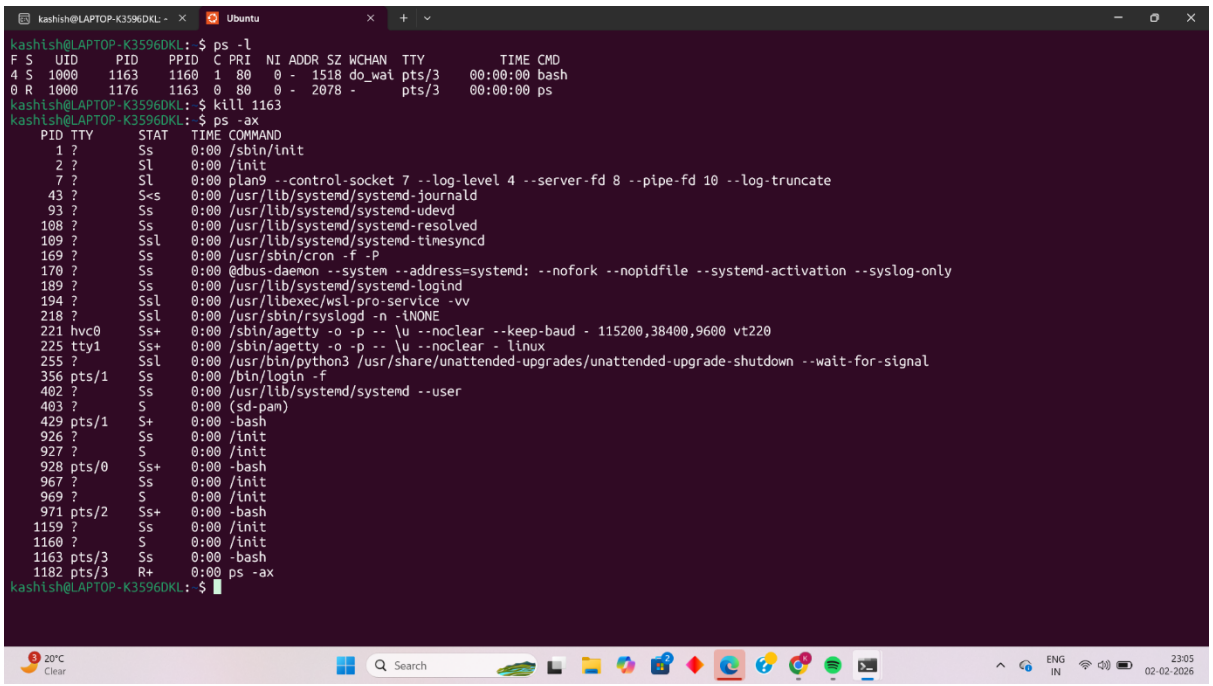
1. Adam is working in an IT company. He has been given a task to reduce the load of a system by killing some of the processes running in the LINUX operating system. Which commands will he use to complete the given task with the help of the following operation?

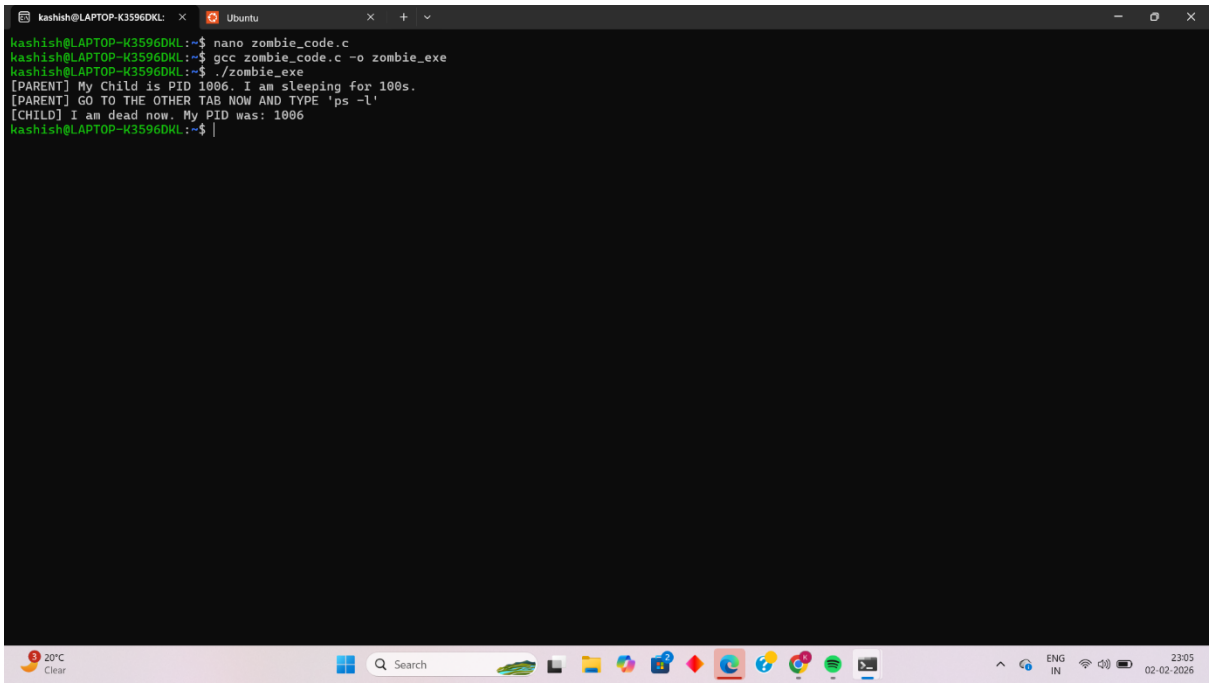
- Kill processes by name
- Kill a process based on the process name
- Kill a single process at a time with the given process ID

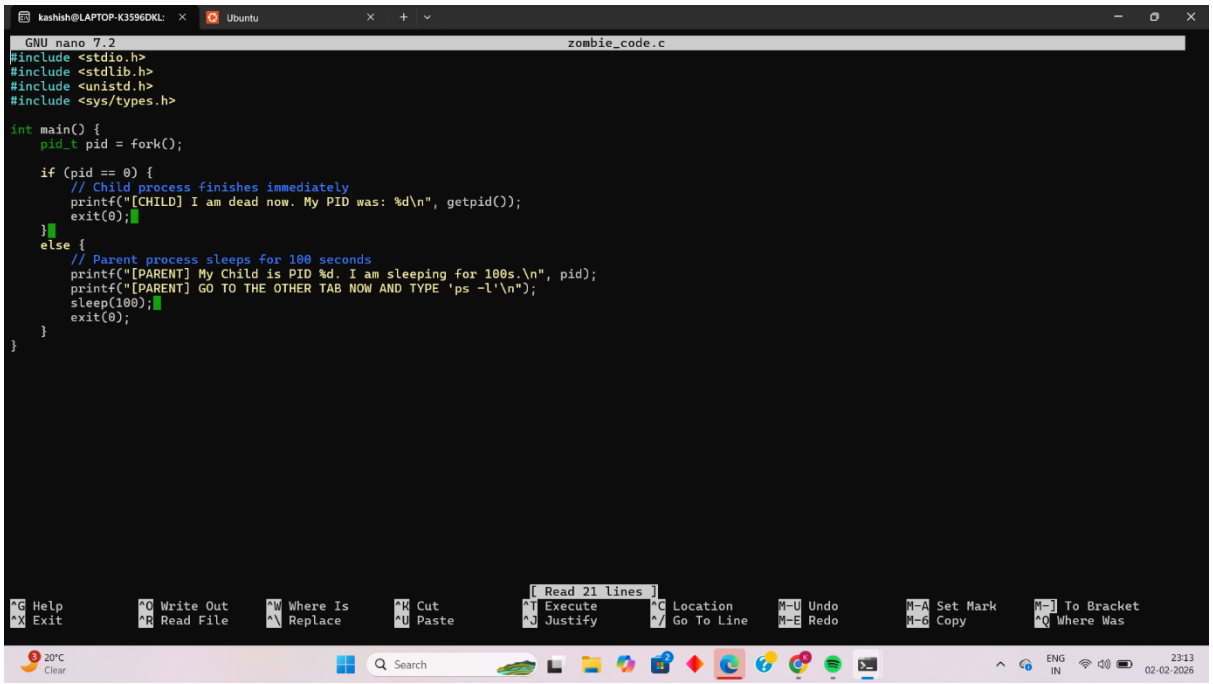


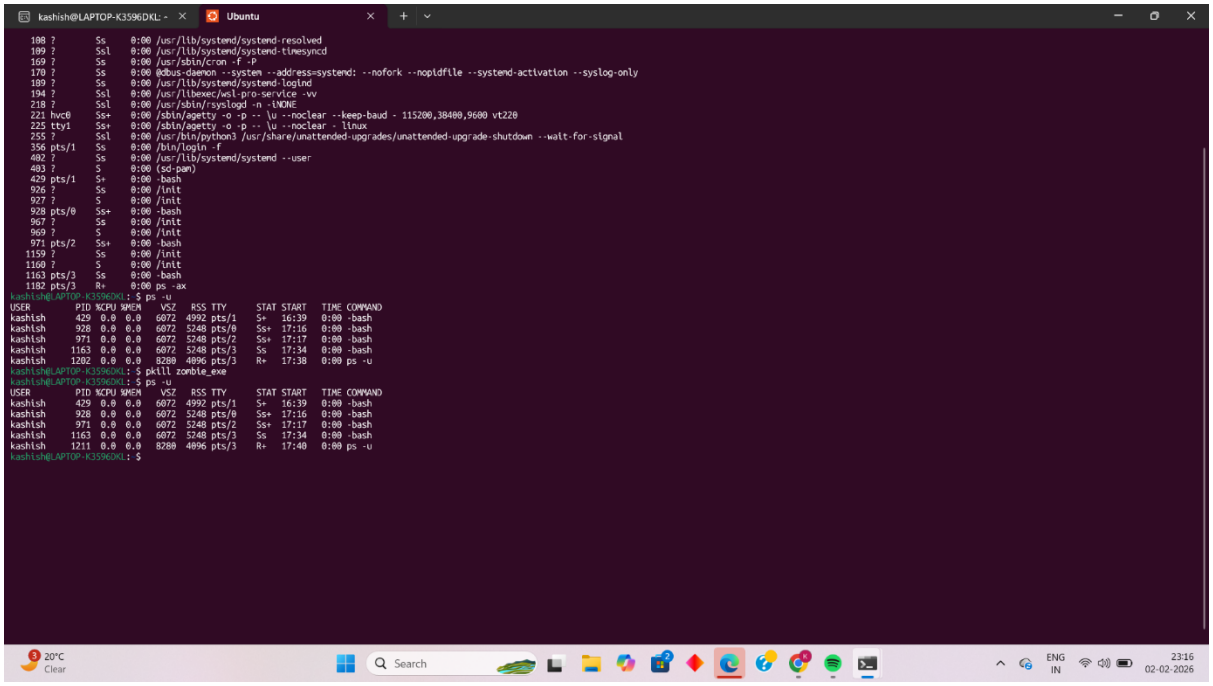


2. Write a program for process creation using C

- Orphan Process
- Zombie Process

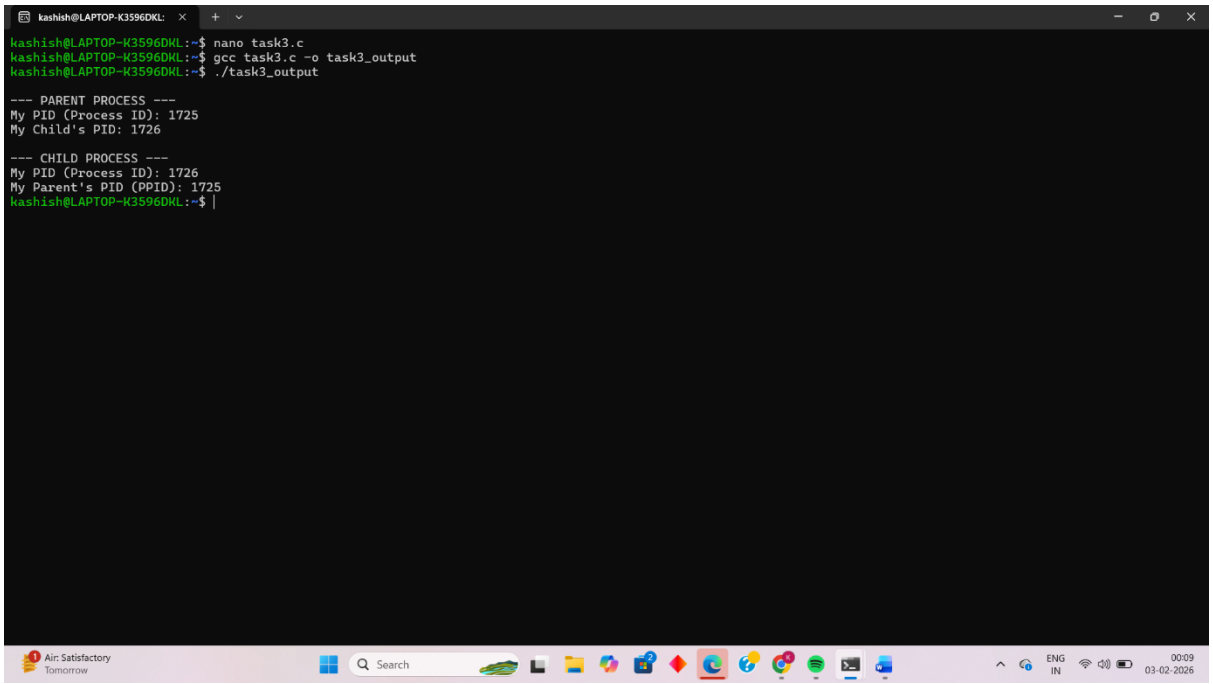


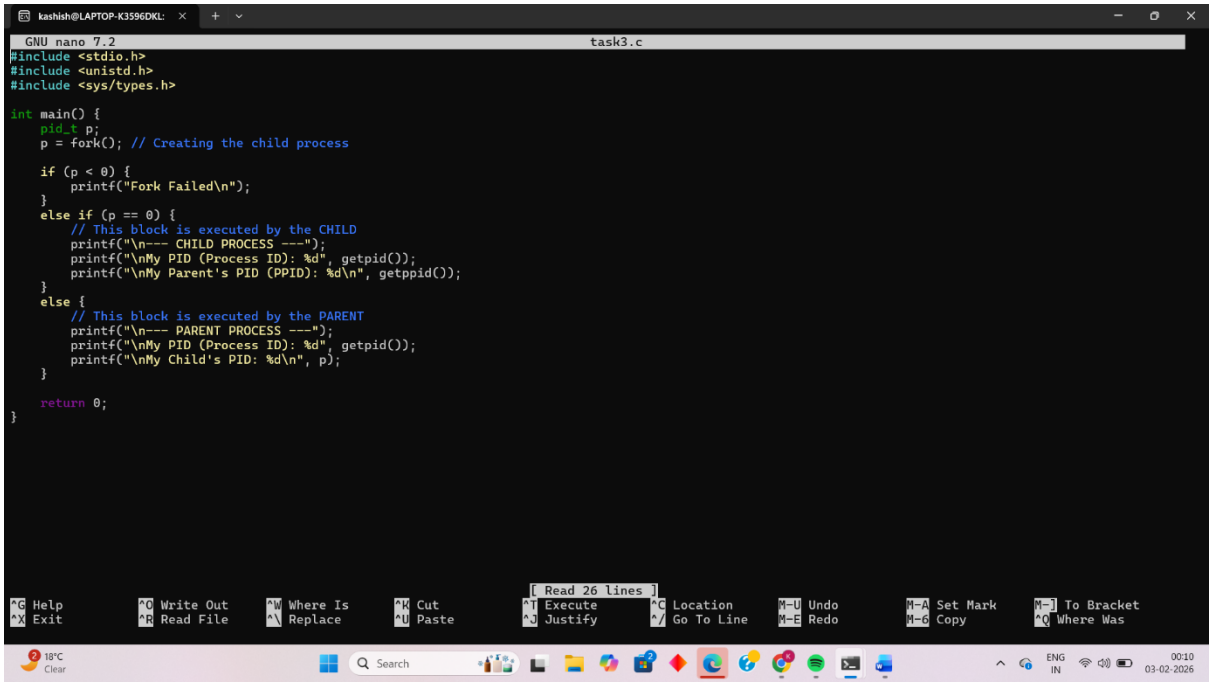




3. Create the process using fork () system call.

- Child Process creation
- Parent process creation
- PPID and PID




kashish@LAPTOP-K3596DKL:
GNU nano 7.2
task3.c
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
int main() {
pid_t p;
p = fork(); // Creating the child process
if (p < 0) {
printf("Fork Failed\n");
}
else if (p == 0) {
// This block is executed by the CHILD
printf("\n--- CHILD PROCESS ---");
printf("\nMy PID (Process ID): %d", getpid());
printf("\nMy Parent's PID (PPID): %d\n", getppid());
}
else {
// This block is executed by the PARENT
printf("\n--- PARENT PROCESS ---");
printf("\nMy PID (Process ID): %d", getpid());
printf("\nMy Child's PID: %d\n", p);
}
return 0;
}
[Read 26 lines]
^G Help
^O Write Out
^W Where Is
^K Cut
^T Execute
^C Location
M-U Undo
M-A Set Mark
M-] To Bracket
^X Exit
^R Read File
^\ Replace
^U Paste
^J Justify
^/ Go To Line
M-E Redo
M-6 Copy
^Q Where Was
18°C
Clear
Search
ENG
IN
00:10
03-02-2026