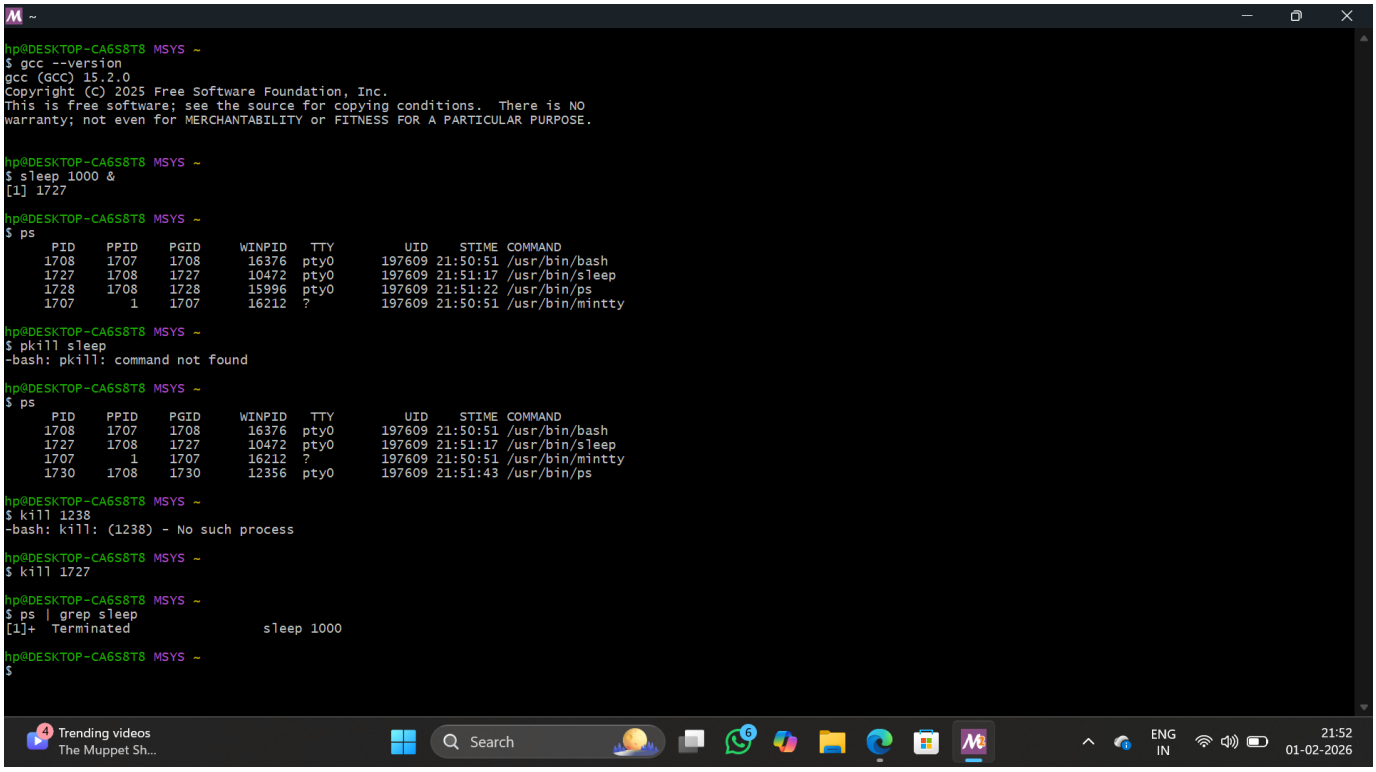
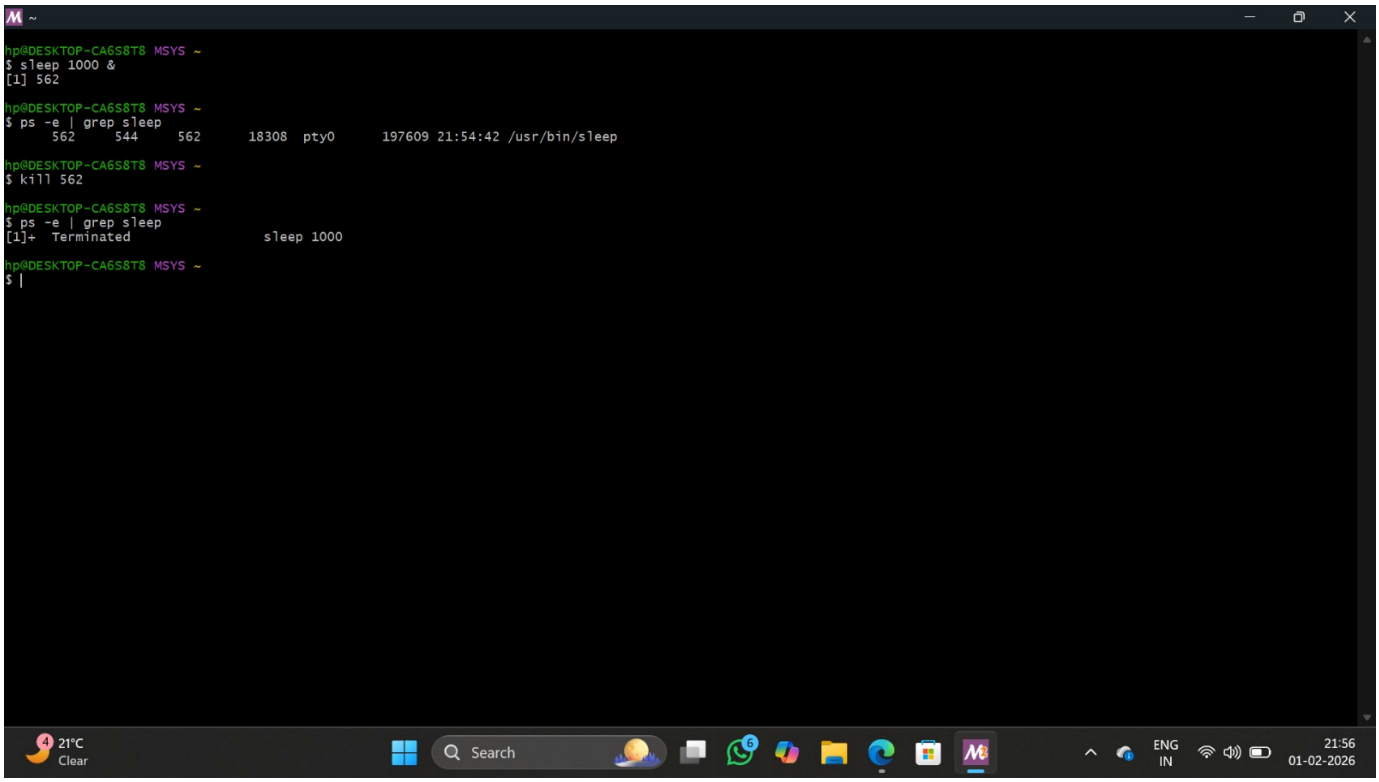
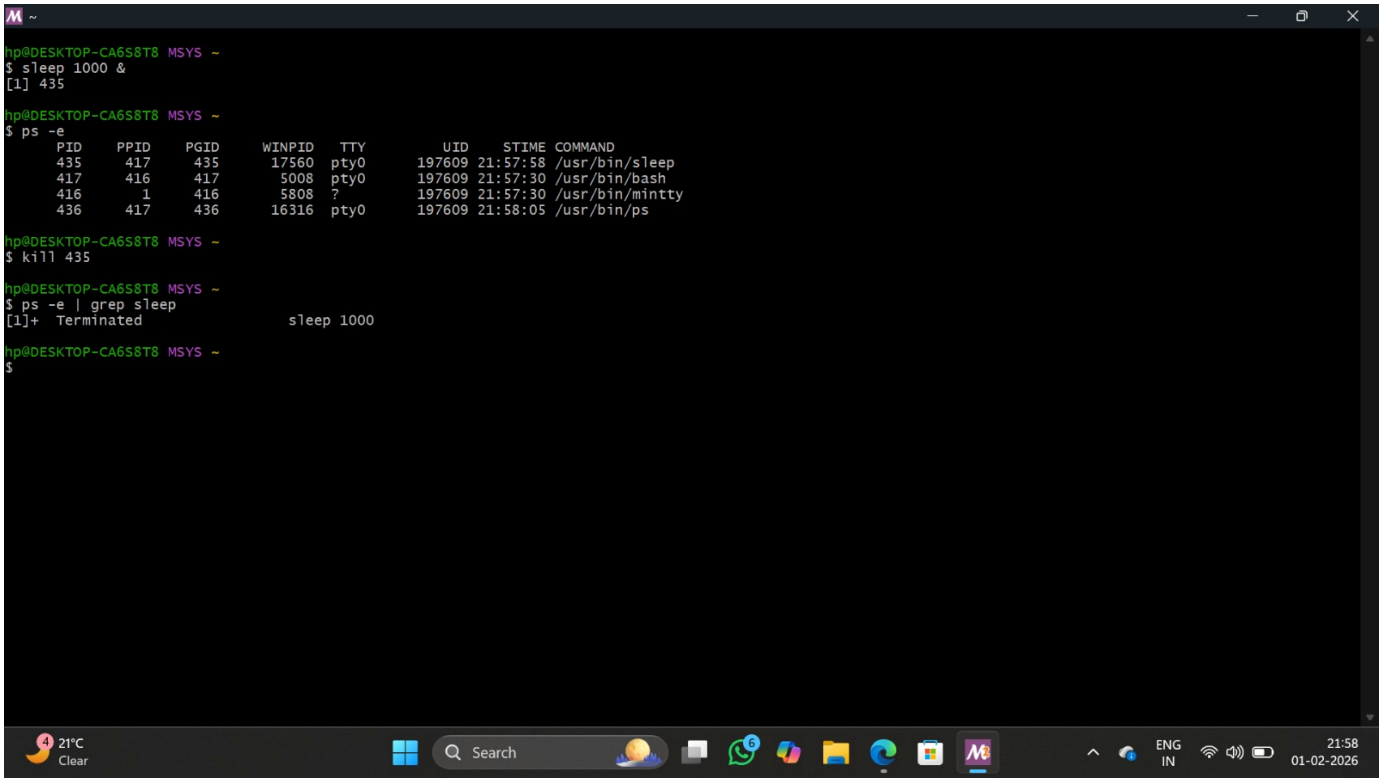
1. Adam is working in an IT company. He has been given a task to reduce the load of a system by killing some of the processes running in the LINUX operating system. Which commands will he use to complete the given task with the help of the following operation?

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

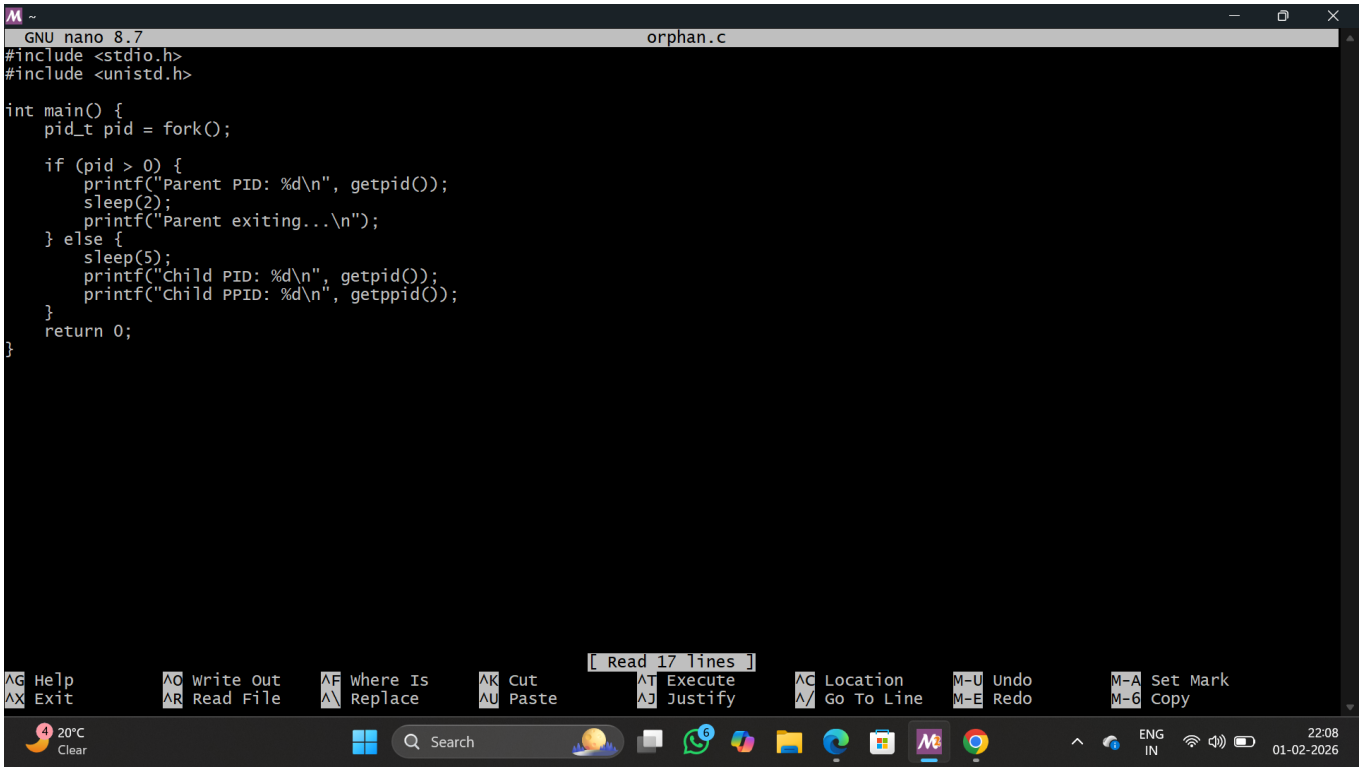


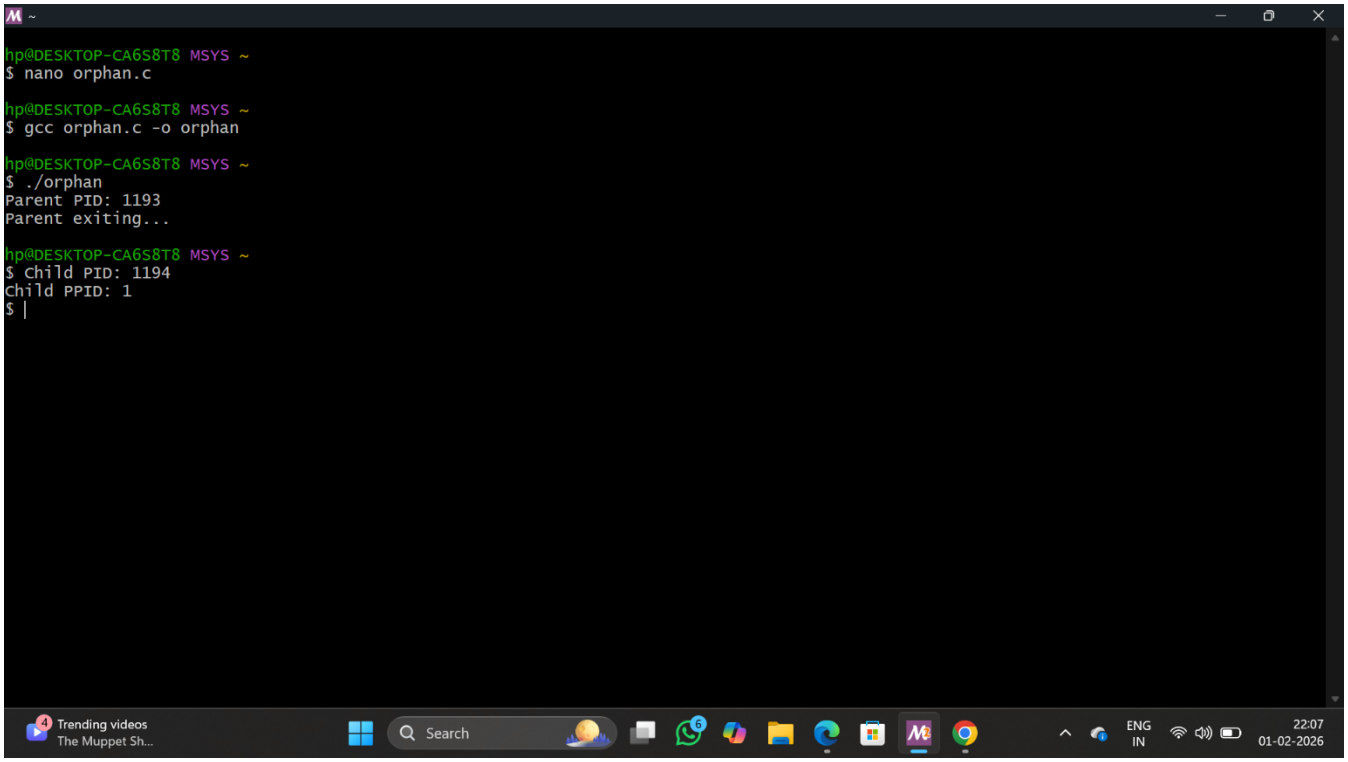




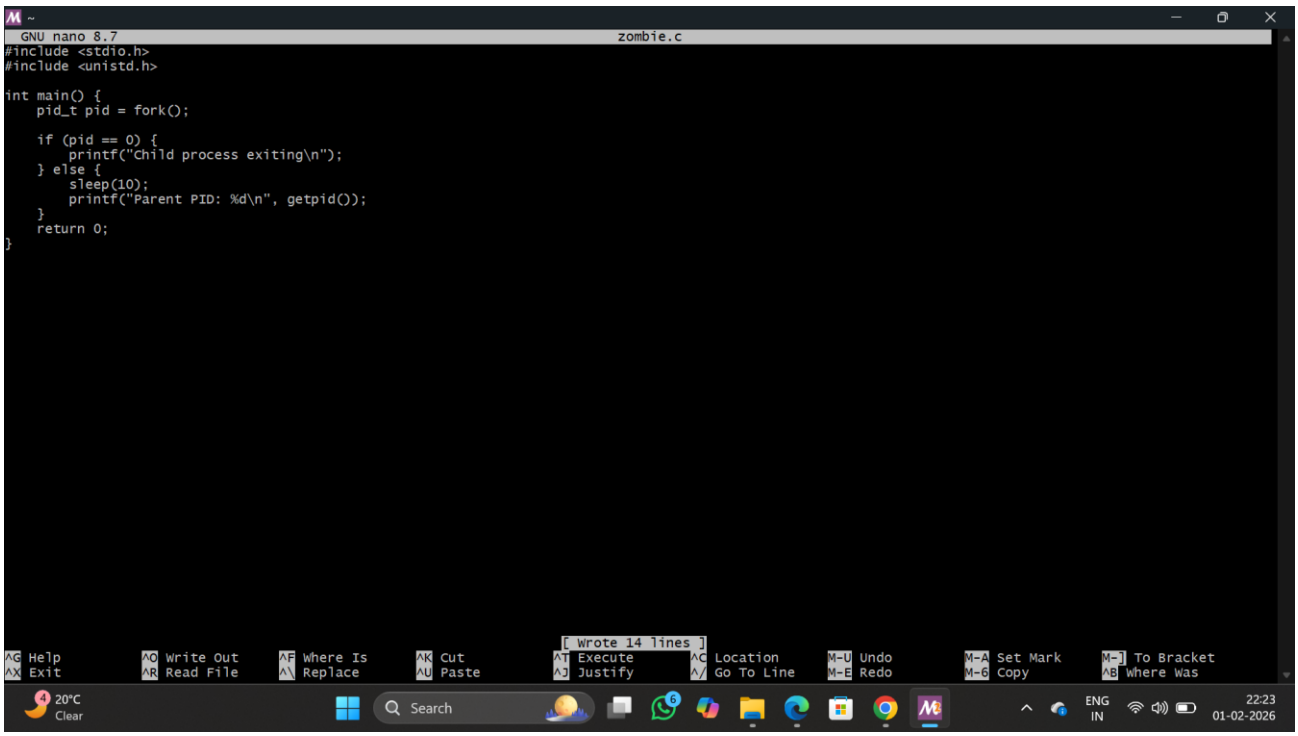
2. Write a program for process creation using C

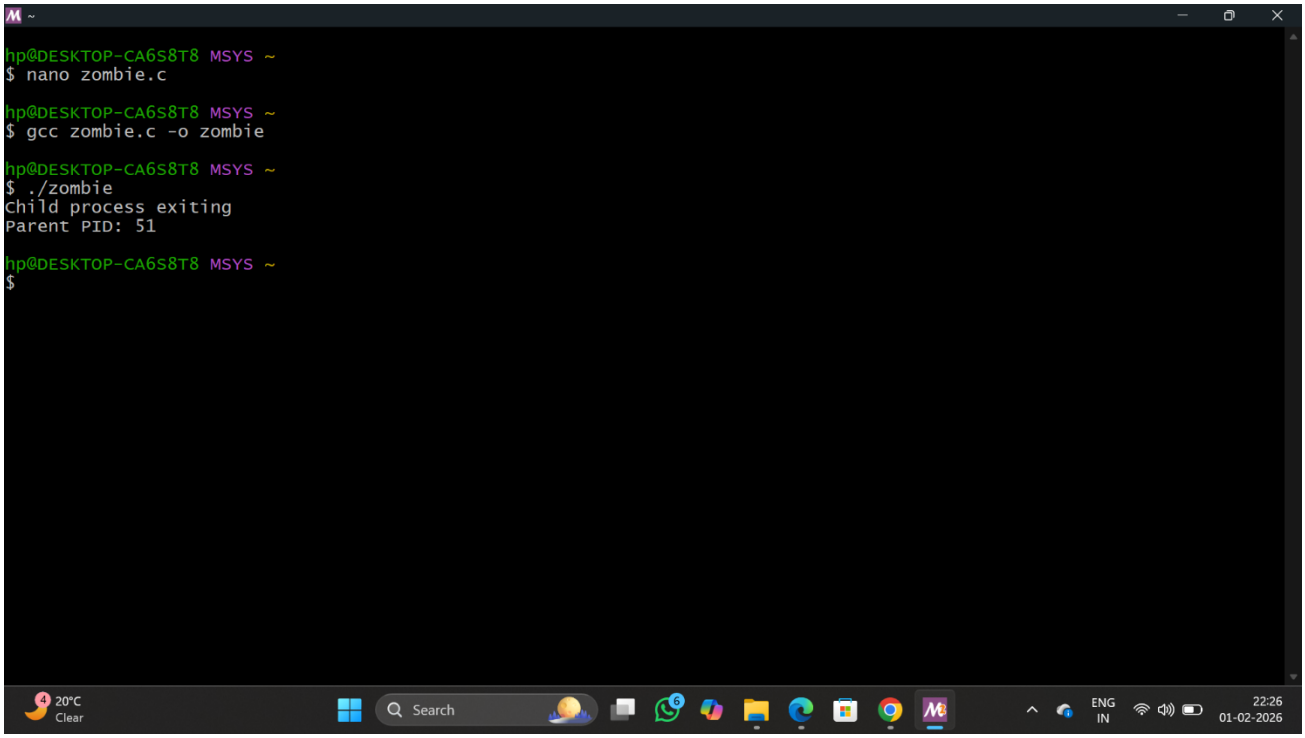
● Orphan Process





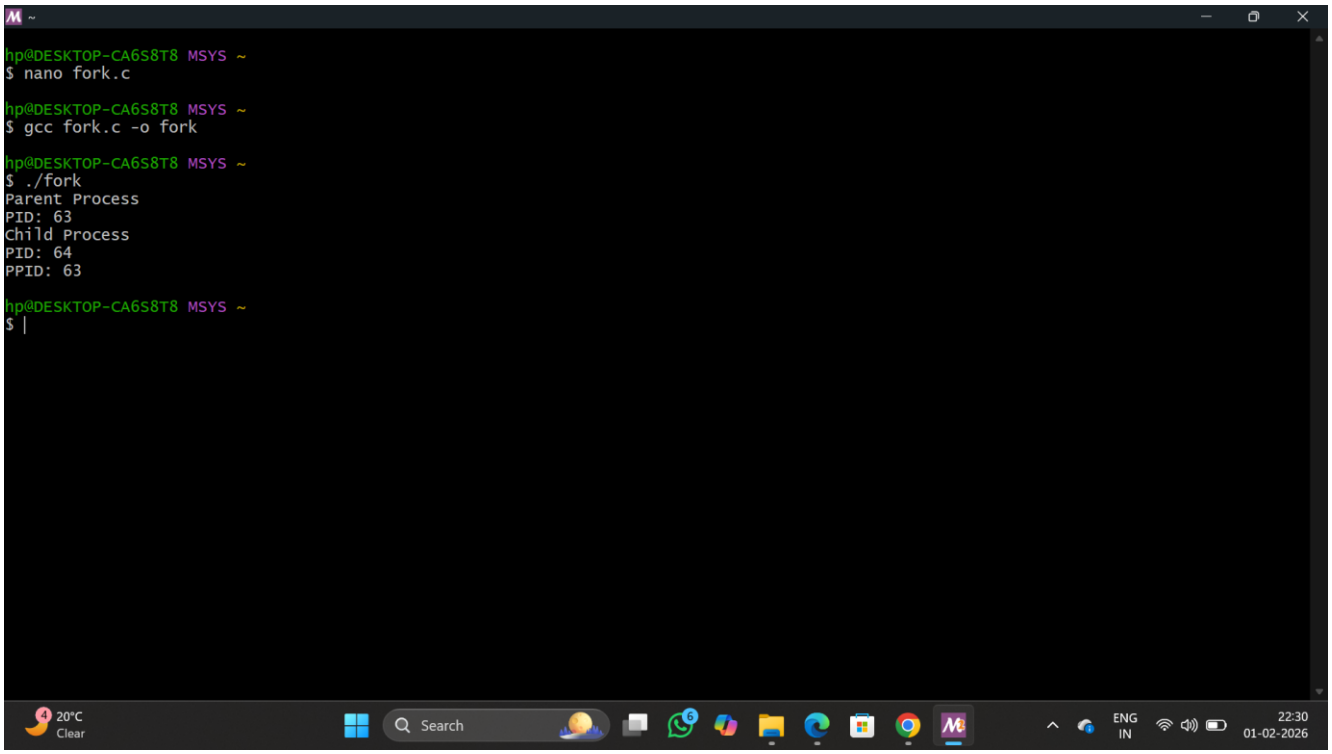
- Zombie Process

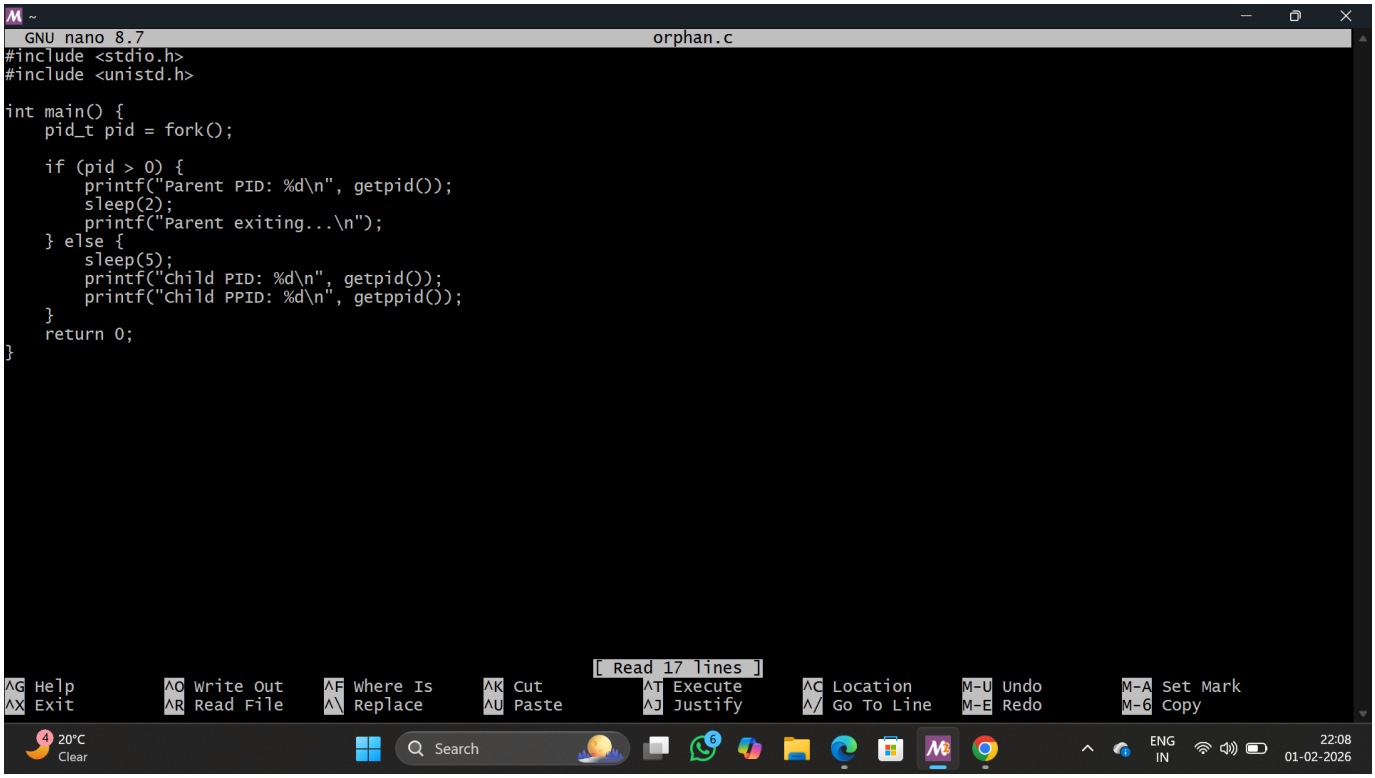




3.Create the process using fork () system call.

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




~
GNU nano 8.7 orphan.c
#include <stdio.h>
#include <unistd.h>
int main() {
pid_t pid = fork();
if (pid > 0) {
printf("Parent PID: %d\n", getpid());
sleep(2);
printf("Parent exiting...\n");
} else {
sleep(5);
printf("Child PID: %d\n", getpid());
printf("Child PPID: %d\n", getppid());
}
return 0;
}
[Read 17 lines]
^G Help ^O Write Out ^F Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy
20°C Clear
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