Operating Systems Lab-3 (Signals)

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Q1 I have sent a basic signal SIGINT(CTRL-C) by keeping it in a infinte loop, it handled it properly and the loop is still running.

Q2 We can handle every signal except two signals SIGKILL and SIGSTOP because these are kept by the operating systems for an emergency purpose; sending the kill -x pid (x is a signal) multiple times also doesn't effect the program, it's being handled.

Q3 If we send a signal to the program during it's sleep then OS immediately wakes up the process from the sleep and gives back the execution to the program.

Q4 I have opened firefox in background whose pid is 4797 Then by typing pstree -s 4797 it listed all the parent & child processes which are associated to pid 4797
The output is:
$systemd---lightdm---lightdm---upstart---gnome-terminal----bash---firefox---Web-content...$ Bash: Shell on which I am working. gnome-terminal: Terminal emulation application which provides access to unix shell in GNOME environment. upstart: It is an event-based replacement for /sbin/init deamon. lightdm: It is a display manager. systemd: systemd is a system and service manager for linux operating system.

Q5 Except for the SIGCHILD all other signals are killing it. For SIGCHILD the default action is ignore so it's just ignoring the signal.