



Birla Institute of Technology & Science, Pilani

Pilani Campus

I SEMESTER 2020-2021

LAB-1 EXERCISE

Course No.: IS F462

Course Title: Network Programming

Deadline: 9th Sep 2020

Maximum Marks: 20M

Write a program which does the following:

- Create **N processes**. N to be taken as an **argument**.
- Each even process waits for a signal. Even by **pid**.
- Every **odd process** sends **SIGUSR1** signal to one of the even processes created prior to it. Even process is chosen randomly.
- When an even process receives more than **M signals**, it terminates itself after sending a **SIGTERM** followed by **SIGKILL** to the last process which has sent **SIGUSR1** to it. M is taken as an argument.
- Every process should print its **pid**, **pid of the sending process**, and the **number of signals received**. Should print "**Terminated Self**" when exiting in case of even process. In case of odd process, print "**Terminated by <pid>**".

Files Expected: A tar file <idno>_lab1.tar containing signal.c and makefile to compile your program.

Upload in [Canvas](#).