



# Birla Institute of Technology & Science, Pilani

Pilani Campus

## II SEMESTER 2020-2021

### LAB-3 EXERCISE

**Course No.:** IS F462

**Course Title:** Network Programming

**Deadline:** As per website

**Maximum Marks:** 20M

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Write a program which does the following:

- Create N processes. N to be taken as an argument.
- *This is done inside a loop:* Parent reads file name with path from user. It opens and shares the fd with all children using Unix domain sockets. Each child reads FileSize/N bytes starting at  $(i+1) * (\text{FileSize}/N)$  bytes and prints to console along with its pid.

You can use `stat()` system call to get file size.

Files Expected: A tar file <idno>\_lab3.tar containing fd\_sharing.c and makefile to compile your program.

Upload in [Canvas](#).