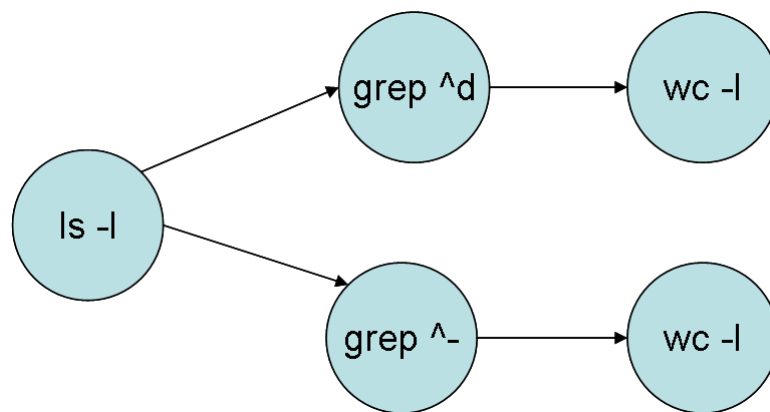


IS F462 Network Programming
I semester 2015-16
Lab4 Exercise

Write a program *fifo.c* for the following requirements.

Consider the sequence of commands to be executed as show in the figure below. The output of `ls -l` is given to two different processes running `grep ^d` and `grep ^-`. They pass their output to two different processes executing `wc -l` command. Suppose you are required to implement the following sequence of commands producing two different outputs i.e number of sub directories and number of files in the current directory. Write a complete program that executes each command in different processes and direct the data flow using FIFOs. The program finally prints two outputs.



Files Expected: A tar file **<idno>_lab4.tar** containing *fifo.c* and *makefile* to compile your program.

Please upload on <http://nalanda> latest by 14th September.