Course No.: IS F462   **Course Title:** Network Programming
Deadline: 15th Feb   **Maximum Marks:** 20M

Write a C program pipes.c that does the following.
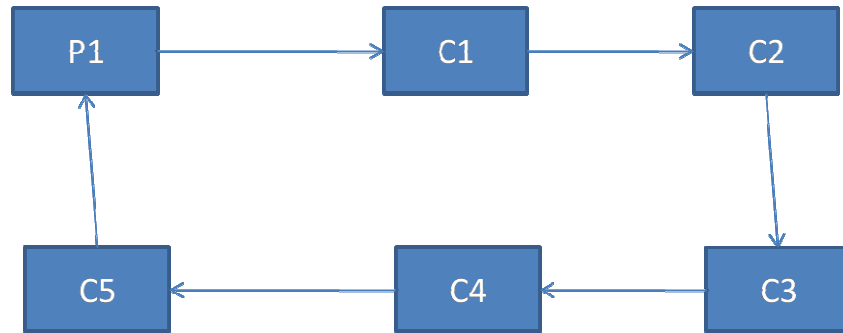
1. P1 is the parent and it creates 5 children C1...C5. Note that all children are siblings.
2. P1 sets up pipes in way that all children are <u>connected through pipes</u> as shown in the above diagram.
3. P1 writes a paragraph (read from stdin) to C1. C1 reads till EOF and performs an operation. Every child reads until EOF. The operation for each child is
   a. C1: lower to upper case
   b. C2: remove first char
   c. C3: remove last char
   d. C4: remove first char
   e. C5: remove last char
4. Every child prints its name and pid, and string output.
5. Final output is printed by parent.

Files Expected: A tar file **<idno>_lab2.tar** containing pipes.c and makefile to compile your program.