

## Homework #2 (10 points)

Due, Monday, February 5

Write a program `makefiles` which takes two arguments,  $P$  and  $Q$ , then creates two directories  $P$  and  $Q$  and two files  $P/Q$  and  $Q/P$ , and writes into each file the line:

I am learning to program in C.

To complete this assignment you will need to use the system calls `mkdir`, `open`, and `write` and the C library function `sprintf`.

You will need to use `cc`, the C compiler, to compile your program. By the way,

% `rm -r P`

will remove the directory  $P$  and all its files.

*Rules of engagement*

Turn in a printout of your program.

You must do all the typing required to accomplish this assignment. Any other help is permitted with the following exceptions: (1), you may not copy anyone else's program to complete this assignment, and (2), all notes you bring to the terminal with you must have been written by you.

You may find running your first C program to be painful.