

## Homework #2 (10 points)

Due, Monday, February 8

Write a program `makedirs` which takes two arguments, the first a file name prefix  $P$  and the second an integer  $n$ , and creates  $n$  directories  $P.0$  through  $P.n - 1$ . For example, if `makedirs` is called from the shell using the following command:

```
% makedirs haha 5
```

the directories `haha.0`, `haha.1`, `haha.2`, `haha.3`, and `haha.4` will be created.

To complete this assignment you will need to use the system calls `mknod` or `mkdir` to create the directories from your C program and the routines `atoi` and `sprintf` to read and write integers.

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

```
% rmdir haha.*
```

will remove all the directories created above.

*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.