## Cd\_15-Pwd.C

int chdir (chor \* Pathname)

First, we check if User supplied a 2nd argument.

If No 2nd argument, set (unning > cwd to root.

It user supplied 2nd argument, we load in a number of pathname trains set in then load in into a MINODE (mie) using iset. After using SIIDIR to check mie>INODE. I made is a directory we call iput on the running > cwd to put back the running directory and call running > cwd = mie.

Char # PWG (MINODE \*WG)

First, we check if wd is the root or not. It root, Print\* (Wd) = /. It not root, call rewd (Wd) to uplate the global ret PWD variable and return retfWD.

Char \* Let bmg [WINODE]: (Letnuz cmg it vot Loot

First we loop through the Dir's dater block to find who in o number and Parent ino number. Next we load a MINODE (PiP) with Parent's information and call finding name (PiP, my ino my name) to loop through parents data block and finds entry w/ same ino number, saving that entry name as a string to my name. Finally, are recursively call roud (PiP) on the errent minode to work our way up to the root while using streat to save the partition, thus finally printing out the whole working directors.

int 15 (char \* pathname)

First, we check whether or not user provises on organization.

If argument isotherwided, we call 15-dir (running-> cund) on our current running directory. It organizates, we save the current directory with strepy (curdir, pud (running-cund).

Next we call chair (pathnone) to change to user specified directory, then call 15-dir (running-> cund) on new running directory and finally (all chair (Gurdir) to change directory back to whatit was originally.

int 15-gir (WINODE \*Mib)

First, we get running -> cwd putto block into a but by calling get\_block (dev, mip-> INOPE.idock[], buf];

then we step through all entries in the block

while calling 1s-file (mip, temp) on each entry to

print out all data for each entry in the block.

Char \* t 2 = " xwrxwrxwr ----"

Char \* t 2 = " -----"

int Is\_file (MINODE \*mil, Char \*name)

First, we check the mode of the mip to print out the Correct first character /- (reg) & (sir) | (link).

Next, print out the next & chars according to which permission bits are available for that mode. We display all information found in linux 1s function formatted the same as 1s-1 call. Finally, we check if the atmospheris a LNK type and if so, print out the linking arrow (->) followed by the link name.