thi

Write _ file (char * pothname)

First, I ask for an ed and text string to be written.

I colculate number of bytes of the user given text string and return my write (ed, +x+, nbytes).

int mywnite (int fd, char * buf, int nbytes)

First, I allocate an openfiletable entry and pointit at the running -2 + 2 [+2] and check it's open for a radial writing mode. I bojut a WINODE at the offbamete and record fotal unwper of bytes to be read as (Nb). Then, I run a while look, (while nortes > 0) to write until nothing is left to be written. In side, I colculate logical block (16k) and Storting byte. Then I use mainmans algorithm to convert lak into a physical block number. It also theck to see if I need to allocate data blacks for direct, indirect, and double indirect data blacks) I get the physical block contents into a buffer (wbuf) and Set a pointer to the startbyte of wort Also Colculate remaining # of bytes in 610ck). I calculate the max number ot bytes to be written in one operation (the minimum of remaining and nbytes). Next, I call mem Epy to copy max number of bytes from wbut into the buffer (char* buf parameter). I dencrement remaining number of bytes and nortes number both by the number of bytes written (mox). I increment the offset by mox, and it nelessory increase the size of the file by max as well. I write the what back to the disk and loop back out matil all bytes are muitten (uplies ==0). the MINODE as diffy and seed murk (16) total number of bytes read. return

CP (chor \$5rc, chor *dest)

First, I will open-file for read mode to open the Src file to be read from and I call open-file for write mode to open the dest file to be written to. I run a loop while reading from Src into a but, I write to dest from that but the number of bytes read.

mv (chor *src, chor *dest)

I begin by ealling getino to get sic inode number and make sure the file exists. Then I lood the file into a MINODE and check to make Sure the Sic into a MINODE and check to make Sure the Sic is on the current device. If the is on the current device. If the ison the current device, I call link (sic, dest) to hard link the dest to the sic file (some InoDE number), then Unlink (sic) to remove sic name from the parent directors to decline count.

If sic is not on the current device, I call (P(sic, dest)) to copy the contents of sic into the dest file. Then I call unlink (sic) to remove sic from parent DTR

and decreuse links count by 1.