Open-Close-Isiek.C int Open - C'

Spen - file (chor * filename, int mode)

Mask for mode in main

First, I get the ino number for the pathname

and I get the into a MINODE. (If the

contents into a MINODE. (If the

contents into a MINODE.) and load the contents into a MINODE. (If the file doesn't exist, I create it first, then load into MINDRE. The create on Open Filetable entry and point it of the ANTHORE. Then I shock to make sure the MINODE is a regular file, and not already opened for any writing mades. I mark the MINODE as disty it opened ascendy for an incompatible mode to help with Checking) I then Set tile size based on the made and point the lowest open tile descriptor (Fd) in the luming Process to the OpenFileTable entry 7 set earlier. I touch time and if open for any writing mode, = mark the MINODE as disty and setuln the open file descriptor number. trun cote (MINODE *MiP) tot Malled when file is opened for Writing mode First, releases all dota blocks in the MINODE, than changes size, updates the time fields and marks MINODE as disty. Close_file (in#fd) int First, I verify that the given file descriptor is within the range and pointing to a valid openFileTable entry in the running > fd orray. Next I allocate a local openfiletable entry and Pointit to the thoughtescriptor in the (unning-st) wrong. Then, I set running std [td] to 0 (deallocate) and dencrement lefcount and index. I check it this process file, and it so I (all write the MINODE back to the disk.

int

my-Isrek (int tg' int bozition)

First, I record the original Position as the running processes open file descriptors current offset position. I check to make sure the user supplied position is within the bounds of the open file. I set the open file's new offset to the user given position (assuming it's in range), and return the original position.

int

Pf8 ()

In this function, I loop through all possible file descriptors. If the running tile descriptor is opened, I print out the file descriptor number, mode opened for, offset position, and INODE derice tino number. This function is used as more of a helper function to allow the user to know which file is currently opened, and in which mode,

tri

dup (int fd)

I begin by verifying the supplied file descriptor is opened. Next, I run through all file descriptors and copy the open fo into the first empty fo in the running process. Lustly, Increment OFT's refcount by 1.

int

dup 2 (int fd, int gd)

First, I check if the supplied 98 coolesponds to an opened file in the running 3fd orray. It so, I close the file. Lastly, I copy the running 2fd[f] into the running-5fd[98] in the open file descriptors array of the current running Process.