**File transfer between UNIX and PC using ftp**

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The description below assumes command line based use of ftp.

**Starting DOS window on the PC**

To start the client ftp application, perform the following on your PC:

Click on **Start** -> **run**

This will display a small prompt to type the command/program you want to run. Type **cmd** and then click OK.

This will open a DOS command line window.

**NOTE**: Before you start the client ftp, you should change your drive on the PC to where you want to store the file from UNIX server or where your file is on the PC, if you are sending the file from PC to UNIX. Note down the drive letter that DOS displays like Y:\ or C:\. This were the files will be on the PC.

**Starting ftp and doing file transfer**

Start client ftp by typing the following:

ftp 134.241.37.230 (if you are outside FSC campus) OR

ftp 192.168.200.230 (if you are inside FSC campus)

Client ftp will establish a connection to the server ftp program running on the UNIX side and then ask you to type the UNIX username followed by password. Type username and press Enter key as prompted; type password and press Enter key as prompted.

On successful login, client ftp will display the following prompt:

**ftp>**

Before you transfer files, set the file transfer mode to text mode (ASCII) by typing the following ftp command:

**ascii**

To send a file from PC to UNIX, type the following command:

**send** PC-filename UNIX-filename Example: **send** program.c program.c

To get a file from UNIX to PC, type the following command:

**get** UNIX-filename PC-filename Example: **get** hw1 hw1.txt

To exit from clinet ftp, type the following command:

**quit**

ftp provides several more commands such as ls or lst, list, pwd, cwd or cd, dele, rmdir, mkdir, stat, etc. To know the list of ftp command names, type the following ftp command:

**help**

To get one line description about any ftp command, type the following command:

**help** ftp-command-name Example: **help** get

for every ftp command you type, ftp server sends a reply message. Each reply message has a three digit number followed by a text. The following is one sample reply message:

**200 Command okay**

After exiting from client ftp by issuing the quit command, DOS will display the drive letter where the files were stored on the PC. Type the following DOS command to see the list of files in the current directory on the PC:

**dir**

To exit from client ftp, type the following command:

**exit**

**IMPORTANT NOTES:**

**NOTE 1: Give PC filename with .txt extension**

When you transfer the homework file(s) from UNIX server to PC, make sure you name the file on the PC with .txt extension as shown below:

**get** hw1 hw1.txt

This will enable me to double click on the file and see it. Otherwise, Windows will not know what program to use to open the file and I have to specify the Notepad program to open it. It is time consuming and nuisance.

If you email your homework without the .txt file extension, I will not correct it and will ask you to resubmit.

**NOTE 2: Give UNIX filename without extension**

On the UNIX server side, do not create your homework file with .txt extension. Specify filename without any extension like hw1.

**NOTE 3: Do not edit file on the UNIX or PC**

Do not edit the file on the UNIX server using the vi editor or other editors.

Do not edit the file after transferring the file to PC using Notepad or Word.

The content of the files should be exactly the way the UNIX system produced it.

If I find that you have edited the file, you will lose points.