**Practical 5: Using command upload/download files from FTP Server**

Establishing an FTP Connection:

1. To open an ftp connection to a remote system, invoke the ftp command followed by the remote server IP address or domain name. For example, to connect to an FTP server at “192.168.42.77” you would type:

ftp 192.168.42.77

2. If the connection is established, a confirmation message will be displayed, and you will be prompted to enter your FTP username.

3. Once you enter the username you will be prompted to type your password:

4. If the password is correct, the remote server will display a confirmation message

and the ftp> prompt.

Common FTP Commands

help or ? - list all available FTP commands.

• cd - change directory on the remote machine.

• lcd - change directory on the local machine.

• ls - list the names of the files and directories in the current remote directory.

mkdir - create a new directory within the current remote directory.

• pwd - print the current working directory on the remote machine.

• delete - remove a file in the current remote directory.

• rmdir- remove a directory in the current remote directory.

• get - copy one file from the remote to the local machine.   
• mget - copy multiple files from the remote to the local machine.

• put - copy one file from the local to the remote machine.

• mput - copy one file from the local to the remote machine.

Downloading Files with the ftp Command

1. To download a single file from the remote server, use the get command. For example, to download a file named backup.zip you would use the following command:

**ftp > get backup.zip**

1. To download multiple files at once, use the mget command. You can provide a list of individual file names or use wildcard characters:

**ftp> mget backup1.zip backup2.zip**

Uploading Files with the FTP Command

1. To upload a file from a local directory to a remote FTP server, use the put command:

**ftp> put image.jpg**

1. To upload multiple files from a local directory to a remote FTP server, invoke the mput command: **ftp> mput image1.jpg image2.jpg**