

After compiling the ftpClient_3.c file, input “./ftpClient_3 ftp.mayan.cn”, the user can login the FTP server with user name and password.

```
[student@BUPTIA:~$ ./ftpClient_3 ftp.mayan.cn ]
[TCP] Connected to the server: 10.3.255.85
220 Welcome to NICLAB!.
[Your name: gjxylab ]
331 Please specify the password.
[Your password: ]
230 Login successful.
WELCOME!
ftp> ]
```

The user can make a new directory:

```
[ftp> mkdir hahahahaha
257 "/hahahahaha" created
ftp> ]
```

The user can change directory:

```
[ftp> cd hahahahaha
250 Directory successfully changed.
ftp> ]
```

The user can view the current directory:

```
[ftp> pwd
257 "/hahahahaha" is the current directory
ftp> ]
```

The user can view the list of current directory:

```
[ftp> ls
[TCP] Connected to the server: 10.3.255.85
227 Entering Passive Mode (10,3,255,85,204,226)
150 Here comes the directory listing.
drwxrwxrwx   1 0       0               0 Jun 16 16:49 .
drwxrwxrwx   1 0       0            241664 Jun 16 16:49 ..
ftp> 226 Directory send OK.
```

The user can download a file from the FTP server:

```
[ftp> get tt.txt
227 Entering Passive Mode (10,3,255,85,245,20)

[TCP] Connected to the server: 10.3.255.85
150 Opening ASCII mode data connection for tt.txt (16 bytes).
226 Transfer complete.
ftp> ]
```

The user can rename a file:

```
[rename  
[From name:] tt.txt  
350 Ready for RNT0.  
[To name:] tt1.txt  
  
250 Rename successful.  
[ftp>
```

The user can upload a file to the FTP server:

```
[ftp> put tt.txt  
Local file [tt.txt] exists.  
227 Entering Passive Mode (10,3,255,85,196,15)  
  
[TCP] Connected to the server: 10.3.255.85  
150 Ok to send data.  
  
226 Transfer complete.
```

The user can indicate the break-point byte number (10) and re-loading the transmission from that point:

```
[ftp> rest 10  
Please input (get local-filename remote-filename) or (put remote-filename local-filename)  
[get tt.txt tt.txt  
Local file [tt.txt] exists.  
227 Entering Passive Mode (10,3,255,85,88,28)  
  
[TCP] Connected to the server: 10.3.255.85  
350 Restart position accepted (10).  
550 No support for resume of ASCII transfer.
```

The user can get the command table: