Computer Networks Lab - 4

Telnet

```
yashi@yashi-VirtualBox:~/Desktop$ telnet cis.poly.edu 80
Trying 128.238.64.106...
Connected to cis.poly.edu.
Escape character is '^]'.
GET /~ross/
<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>301 Moved Permanently</title>
</head><body>
<h1>Moved Permanently</h1>
<p>The document has moved <a href="https://cse.engineering.nyu.edu/~ross/">here</a>.</p>
</body></html>
Connection closed by foreign host.
```

The requested page has been moved permanently.

FTP

```
yashi@yashi-VirtualBox:~/Desktop$ ftp ftp.dlptest.com
Connected to ftp.dlptest.com.
220 Help support DLP Test https://commerce.coinbase.com/checkout/0799aa1f-1e3f-40c7-a19b-e18a1e1913e7
Name (ftp.dlptest.com:yashi): dlpuser
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> pass
Passive mode on.
ftp> ls
227 Entering Passive Mode (35,163,228,146,4,1)
150 Here comes the directory listing.
drwxr-xr-x    3 1001     1001          244 Mar 16 11:44 1
-rw-r--r--    1 1001     1001      2406344 Mar 16 11:52 10MB.zip
-rw-r--r--    1 1001     1001       589337 Mar 16 11:39 18mcme01-CNasgn4.odt
drwxr-xr-x    3 1001     1001           18 Mar 16 11:30 2
drwxr-xr-x    2 1001     1001            6 Mar 16 11:36 Amruta
-rw-r--r--    1 1001     1001           41 Mar 16 11:44 datasourcetest123_784939.csv
-rw-r--r--    1 1001     1001           41 Mar 16 11:41 datasourcetest123_832699.csv
-rw-r--r--    1 1001     1001           41 Mar 16 11:52 datasourcetest123_870155.csv
-rw-r--r--    1 1001     1001           41 Mar 16 11:38 datasourcetest123_88169.csv
drwxr-xr-x    2 1001     1001            6 Mar 16 11:30 ftpin
-rw-r--r--    1 1001     1001         3007 Mar 16 11:41 noticias.csv
226 Directory send OK.
ftp> get 2
local: 2 remote: 2
227 Entering Passive Mode (35,163,228,146,4,9)
550 Failed to open file.
ftp> get noticias.csv
local: noticias.csv remote: noticias.csv
227 Entering Passive Mode (35,163,228,146,4,5)
150 Opening BINARY mode data connection for noticias.csv (3007 bytes).
226 Transfer complete.
3007 bytes received in 0.00 secs (37.7329 MB/s)
```

```
ftp> !ls
18mcme22.zip  Algorithm  CGV  noticias.csv  ppl  SE
ftp> put Algorithm
local: Algorithm remote: Algorithm
Algorithm: not a plain file.
ftp> put noticias.csv
local: noticias.csv remote: noticias.csv
227 Entering Passive Mode (35,163,228,146,4,5)
150 Ok to send data.
226 Transfer complete.
3007 bytes sent in 0.00 secs (27.5740 MB/s)
ftp> ls
227 Entering Passive Mode (35,163,228,146,4,13)
150 Here comes the directory listing.
drwxr-xr-x    3 1001      1001              18 Mar 16 12:00 1
drwxr-xr-x    2 1001      1001               6 Mar 16 12:00 ftpin
226 Directory send OK.
```

We first connect to the FTP server. I connected to the free server:
https://dlptest.com/ftp-test/ After connecting I went to the passive mode to access
the files and uploaded and downloaded the files as above.

SFTP

```
C:\Users\yasas\Desktop\Python>pscp -scp AIcalculator.py yashi@192.168.56.1
Local to local copy not supported
```

Since I don't have the required resources. I couldn't do this. I tried to transfer file
from the same windows system to the virtual box and it said local to local transfer
in not supported.

SMTP

```
yashi@yashi-VirtualBox:~/Desktop$ telnet aspmx.l.google.com 25
Trying 172.217.194.26...
Connected to aspmx.l.google.com.
Escape character is '^]'.
220 mx.google.com ESMTP p11si16080606pgh.79 - gsmtp
HELO gmail.com
250 mx.google.com at your service
MAIL FROM: <yasaswinipandu@gmail.com>
250 2.1.0 OK p11si16080606pgh.79 - gsmtp
RCPT TO: <18mcme22@uohyd.ac.in>
250 2.1.5 OK p11si16080606pgh.79 - gsmtp
DATA
354  Go ahead p11si16080606pgh.79 - gsmtp
Subject: Test mail.

This is a sample mail.
.
550-5.7.1 [183.83.38.19] The IP you're using to send mail is not authorized to
550-5.7.1 send email directly to our servers. Please use the SMTP relay at your
550-5.7.1 service provider instead. Learn more at
550 5.7.1  https://support.google.com/mail/?p=NotAuthorizedError p11si16080606pgh.79 - gsmtp
Connection closed by foreign host.
```