

CENG 421 NETWORK PROGRAMMING – ASSIGNMENT 3

- 1- The IP addresses of the www.yahoo.com was found by using nslookup can be seen in Figure 1.

```
[liveuser@localhost-live ~]$ nslookup www.yahoo.com
Server:          192.168.1.1
Address:         192.168.1.1#53

Non-authoritative answer:
www.yahoo.com    canonical name = new-fp-shed.wg1.b.yahoo.com.
Name:   new-fp-shed.wg1.b.yahoo.com
Address: 87.248.100.216
Name:   new-fp-shed.wg1.b.yahoo.com
Address: 87.248.100.215
Name:   new-fp-shed.wg1.b.yahoo.com
Address: 2a00:1288:110:c305::1:8000
Name:   new-fp-shed.wg1.b.yahoo.com
Address: 2a00:1288:110:c305::1:8001

[liveuser@localhost-live ~]$
```

Figure 1: IP addresses of yahoo.com

- 2- The list of mail exchanger of the yahoo is given in Figure 2.

```
[liveuser@localhost-live ~]$ nslookup
> set q=mx
> yahoo.com
Server:          192.168.1.1
Address:         192.168.1.1#53

Non-authoritative answer:
yahoo.com        mail exchanger = 1 mta7.am0.yahoodns.net.
yahoo.com        mail exchanger = 1 mta5.am0.yahoodns.net.
yahoo.com        mail exchanger = 1 mta6.am0.yahoodns.net.

Authoritative answers can be found from:
>
```

Figure 2: The list of mail exchangers

- 3- The IP addresses of the mta5.am.yahoodns.net can be seen in Figure 3.

```
[liveuser@localhost-live ~]$ nslookup
> set q=a
> mta5.am0.yahoodns.net.
Server:          192.168.1.1
Address:         192.168.1.1#53

Non-authoritative answer:
Name:   mta5.am0.yahoodns.net
Address: 67.195.204.72
Name:   mta5.am0.yahoodns.net
Address: 67.195.204.77
Name:   mta5.am0.yahoodns.net
Address: 67.195.228.109
Name:   mta5.am0.yahoodns.net
Address: 67.195.228.94
Name:   mta5.am0.yahoodns.net
Address: 98.136.96.75
Name:   mta5.am0.yahoodns.net
Address: 67.195.228.110
Name:   mta5.am0.yahoodns.net
Address: 98.136.96.74
Name:   mta5.am0.yahoodns.net
Address: 67.195.228.106
```

Figure 3: The IP address of the mail exchanger

- 4- Firstly, I connected the smtp.mail.yahoo.com on port 587. However, I encountered errors that are email rejected and the connection closed as can be seen Figure 4.

```
[liveuser@localhost-live ~]$ telnet smtp.mail.yahoo.com 587
Trying 74.6.141.43...
Connected to smtp.mail.yahoo.com.
Escape character is '^]'.
220 smtp.mail.yahoo.com ESMTP ready
HELO hello
250 smtp408.mail.bf1.yahoo.com Hello hello [176.42.84.198])
MAIL FROM:<behiyeerdemir@yahoo.com>
554 Email rejected
Connection closed by foreign host.
[liveuser@localhost-live ~]$
```

Figure 4: Encountered mistakes

After that, I connected to the mail server that is given by the instructor. However, There was also an error about access denied as given in Figure 5.

```
[liveuser@localhost-live ~]$ telnet mail.kalfaoglu.net 587
Trying 95.216.38.116...
Connected to mail.kalfaoglu.net.
Escape character is '^]'.
220 jedi.kalfaoglu.net ESMTP Postfix
HELO localbehiye
250 jedi.kalfaoglu.net
MAIL FROM:<behiyeerdemir@yahoo.com>
250 2.1.0 Ok
RCPT TO:<tkalfaoglu.yahoo.com>
554 5.7.1 <unknown[176.42.84.198]>: Client host rejected: Access denied
```

Figure 5: Encountered mistake