CN Lab Assignment: 2

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Class: BSCYS-3-B

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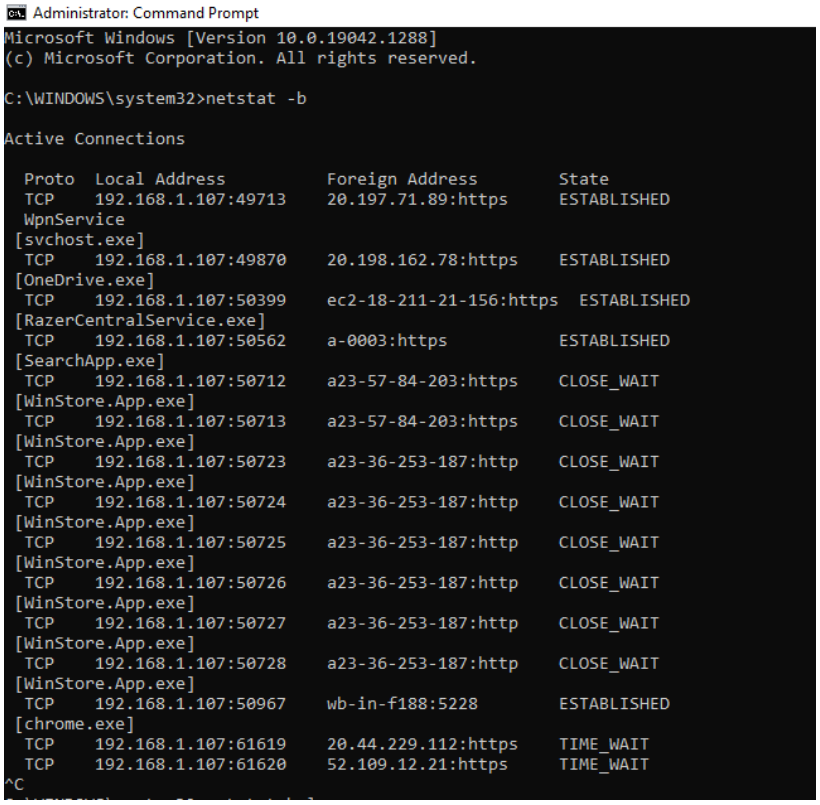
Submitted To: Sir Adnan Shah

Q1. Netstat :

1. Using Command Netstat –b to show all executables.



2. To See Fully Qualified Domain Names We Will Use Command Netstat –f

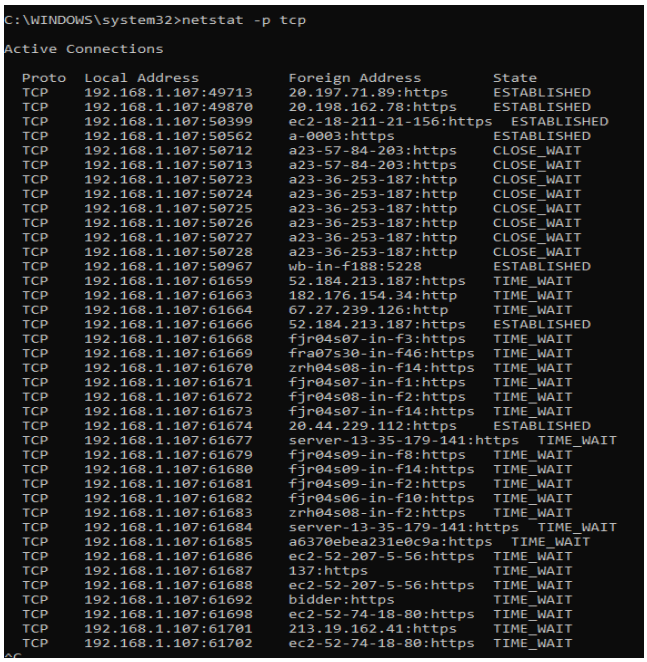
```
C:\WINDOWS\system32>NETSTAT -f

Active Connections

  Proto  Local Address          Foreign Address        State
  TCP    192.168.1.107:49713    20.197.71.89:https     ESTABLISHED
  TCP    192.168.1.107:49870    20.198.162.78:https    ESTABLISHED
  TCP    192.168.1.107:50399    ec2-18-211-21-156.compute-1.amazonaws.com:https  ESTABLISHED
  TCP    192.168.1.107:50562    a-0003.a-msedge.net:https  ESTABLISHED
  TCP    192.168.1.107:50712    a23-57-84-203.deploy.static.akamaitechnologies.com:https  CLOSE_WAIT
  TCP    192.168.1.107:50713    a23-57-84-203.deploy.static.akamaitechnologies.com:https  CLOSE_WAIT
  TCP    192.168.1.107:50723    a23-36-253-187.deploy.static.akamaitechnologies.com:http  CLOSE_WAIT
  TCP    192.168.1.107:50724    a23-36-253-187.deploy.static.akamaitechnologies.com:http  CLOSE_WAIT
  TCP    192.168.1.107:50725    a23-36-253-187.deploy.static.akamaitechnologies.com:http  CLOSE_WAIT
  TCP    192.168.1.107:50726    a23-36-253-187.deploy.static.akamaitechnologies.com:http  CLOSE_WAIT
  TCP    192.168.1.107:50727    a23-36-253-187.deploy.static.akamaitechnologies.com:http  CLOSE_WAIT
  TCP    192.168.1.107:50728    a23-36-253-187.deploy.static.akamaitechnologies.com:http  CLOSE_WAIT
  TCP    192.168.1.107:50967    wb-in-f188.1e100.net:5228  ESTABLISHED
  TCP    192.168.1.107:61649    52.109.68.14:https     TIME_WAIT
  TCP    192.168.1.107:61650    13.89.178.27:https     TIME_WAIT
```

3. Connections Specifically For TCP Protocol :

Netstat –p TCP



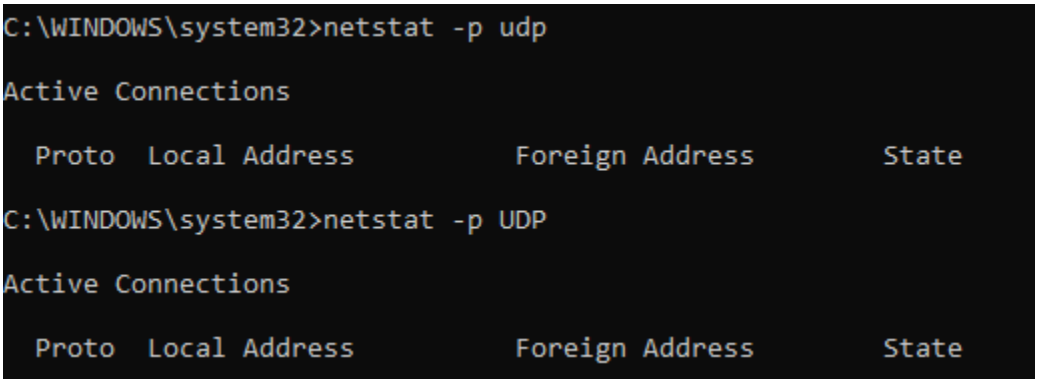
```
C:\WINDOWS\system32>netstat -p tcp

Active Connections

  Proto  Local Address          Foreign Address        State
  TCP    192.168.1.107:49713    20.197.71.89:https     ESTABLISHED
  TCP    192.168.1.107:49870    20.198.162.78:https    ESTABLISHED
  TCP    192.168.1.107:50399    ec2-18-211-21-156:https  ESTABLISHED
  TCP    192.168.1.107:50562    a-0003:https           ESTABLISHED
  TCP    192.168.1.107:50712    a23-57-84-203:https    CLOSE_WAIT
  TCP    192.168.1.107:50713    a23-57-84-203:https    CLOSE_WAIT
  TCP    192.168.1.107:50723    a23-36-253-187:http    CLOSE_WAIT
  TCP    192.168.1.107:50724    a23-36-253-187:http    CLOSE_WAIT
  TCP    192.168.1.107:50725    a23-36-253-187:http    CLOSE_WAIT
  TCP    192.168.1.107:50726    a23-36-253-187:http    CLOSE_WAIT
  TCP    192.168.1.107:50727    a23-36-253-187:http    CLOSE_WAIT
  TCP    192.168.1.107:50728    a23-36-253-187:http    CLOSE_WAIT
  TCP    192.168.1.107:50967    wb-in-f188:5228        ESTABLISHED
  TCP    192.168.1.107:61659    52.184.213.187:https   TIME_WAIT
  TCP    192.168.1.107:61663    182.176.154.34:http    TIME_WAIT
  TCP    192.168.1.107:61664    67.27.239.126:http     TIME_WAIT
  TCP    192.168.1.107:61666    52.184.213.187:https   ESTABLISHED
  TCP    192.168.1.107:61668    fjr04s07-in-f3:https   TIME_WAIT
  TCP    192.168.1.107:61669    fra07s30-in-f46:https  TIME_WAIT
  TCP    192.168.1.107:61670    zrh04s08-in-f14:https  TIME_WAIT
  TCP    192.168.1.107:61671    fjr04s07-in-f1:https   TIME_WAIT
  TCP    192.168.1.107:61672    fjr04s08-in-f2:https   TIME_WAIT
  TCP    192.168.1.107:61673    fjr04s07-in-f14:https  TIME_WAIT
  TCP    192.168.1.107:61674    20.44.229.112:https    ESTABLISHED
  TCP    192.168.1.107:61677    server-13-35-179-141:https  TIME_WAIT
  TCP    192.168.1.107:61679    fjr04s09-in-f8:https   TIME_WAIT
  TCP    192.168.1.107:61680    fjr04s09-in-f14:https  TIME_WAIT
  TCP    192.168.1.107:61681    fjr04s09-in-f2:https   TIME_WAIT
  TCP    192.168.1.107:61682    fjr04s06-in-f10:https  TIME_WAIT
  TCP    192.168.1.107:61683    zrh04s08-in-f2:https   TIME_WAIT
  TCP    192.168.1.107:61684    server-13-35-179-141:https  TIME_WAIT
  TCP    192.168.1.107:61685    a6370ebea231e0c9a:https  TIME_WAIT
  TCP    192.168.1.107:61686    ec2-52-207-5-56:https  TIME_WAIT
  TCP    192.168.1.107:61687    137:https              TIME_WAIT
  TCP    192.168.1.107:61688    ec2-52-207-5-56:https  TIME_WAIT
  TCP    192.168.1.107:61692    bidder:https           TIME_WAIT
  TCP    192.168.1.107:61698    ec2-52-74-18-80:https  TIME_WAIT
  TCP    192.168.1.107:61701    213.19.162.41:https    TIME_WAIT
  TCP    192.168.1.107:61702    ec2-52-74-18-80:https  TIME_WAIT
^C
```

4. Connections Specifically For UDP Protocol :

Netstat –p UDP



```
C:\WINDOWS\system32>netstat -p udp

Active Connections

  Proto  Local Address          Foreign Address        State

C:\WINDOWS\system32>netstat -p UDP

Active Connections

  Proto  Local Address          Foreign Address        State
```

5. Routing Table:

Netstat –r

```
C:\WINDOWS\system32>NETSTAT -r
===========================================================================
Interface List
 16...c8 cb b8 b4 16 b3 ......Intel(R) 82579V Gigabit Network Connection
 18...60 67 20 69 2e 23 ......Microsoft Wi-Fi Direct Virtual Adapter
  5...62 67 20 69 2e 22 ......Microsoft Wi-Fi Direct Virtual Adapter #2
  3...60 67 20 69 2e 22 ......Intel(R) Centrino(R) Advanced-N 6205
 19...e0 06 e6 b2 5d 91 ......Bluetooth Device (Personal Area Network)
  1...........................Software Loopback Interface 1
===========================================================================

IPv4 Route Table
===========================================================================
Active Routes:
Network Destination        Netmask          Gateway       Interface  Metric
          0.0.0.0          0.0.0.0      192.168.1.1    192.168.1.107     50
        127.0.0.0        255.0.0.0         On-link         127.0.0.1    331
        127.0.0.1  255.255.255.255         On-link         127.0.0.1    331
  127.255.255.255  255.255.255.255         On-link         127.0.0.1    331
      192.168.1.0    255.255.255.0         On-link     192.168.1.107    306
    192.168.1.107  255.255.255.255         On-link     192.168.1.107    306
    192.168.1.255  255.255.255.255         On-link     192.168.1.107    306
        224.0.0.0        240.0.0.0         On-link         127.0.0.1    331
        224.0.0.0        240.0.0.0         On-link     192.168.1.107    306
  255.255.255.255  255.255.255.255         On-link         127.0.0.1    331
  255.255.255.255  255.255.255.255         On-link     192.168.1.107    306
===========================================================================
Persistent Routes:
  None

IPv6 Route Table
===========================================================================
Active Routes:
 If Metric Network Destination      Gateway
  1    331 ::1/128                  On-link
  3    306 fe80::/64                On-link
  3    306 fe80::744f:3d33:c28b:ac9b/128
                                    On-link
  1    331 ff00::/8                 On-link
  3    306 ff00::/8                 On-link
===========================================================================
Persistent Routes:
  None
```

Q2. Net User:

1. Creating New User Named Umair200992:

```
C:\WINDOWS\system32>net user umair200992 /add
The command completed successfully.


C:\WINDOWS\system32>net user

User accounts for \\DESKTOP-498E13J

-------------------------------------------------------------------------------
Administrator            DefaultAccount           Guest
Hira Sabir               mat                      umair200992
WDAGUtilityAccount
The command completed successfully.
```

2. Time Assigned To Monday To Wednesday (10am To 3Pm)

Net User umair200992 / time: M-W,10AM-3PM

```
C:\WINDOWS\system32>net user umair200992 /time: M-W,10AM-3PM
The command completed successfully.
```

3. Creating New Local Group:

Net Localgroup localgroup200992 /add

```
C:\WINDOWS\system32>net localgroup localgroup200992
Alias name     localgroup200992
Comment

Members

-------------------------------------------------------------------------------
The command completed successfully.
```

4. Adding A User In Local Group:

Net Localgroup localgroup200992 umair200992 /add

```
C:\WINDOWS\system32>net localgroup localgroup200992 umair200992 /add
The command completed successfully.
```

5. Info About User:

Net Localgroup localgroup200992

```
C:\WINDOWS\system32>net localgroup localgroup200992
Alias name     localgroup200992
Comment

Members

-------------------------------------------------------------------------------
umair200992
The command completed successfully.
```

Q3. Net Share:

1. Making New Directory Using Mkdir.

Mkdir umair200992.

```
 Directory of C:\Users

31/10/2021  06:08 pm    <DIR>          .
31/10/2021  06:08 pm    <DIR>          ..
11/10/2021  08:24 pm    <DIR>          Hira Sabir
02/02/2021  05:05 am    <DIR>          Public
31/10/2021  06:08 pm    <DIR>          umair200992
               0 File(s)              0 bytes
               5 Dir(s)  30,491,348,992 bytes free
```

2. Creating New Net Share For Dir.

net share umair200992=E:\umair200992/REMARK:"Assignment" /cache:No

```
C:\Users>net share umair200992=E:\umair200992 /REMARK:"Assignment" /cache:No
umair200992 was shared successfully.


C:\Users>net share

Share name   Resource                        Remark

-------------------------------------------------------------------------------
C$           C:\                             Default share
E$           E:\                             Default share
IPC$                                         Remote IPC
ADMIN$       C:\WINDOWS                      Remote Admin
umair200992  E:\umair200992                  Assignment
                                             Caching disabled
The command completed successfully.
```