

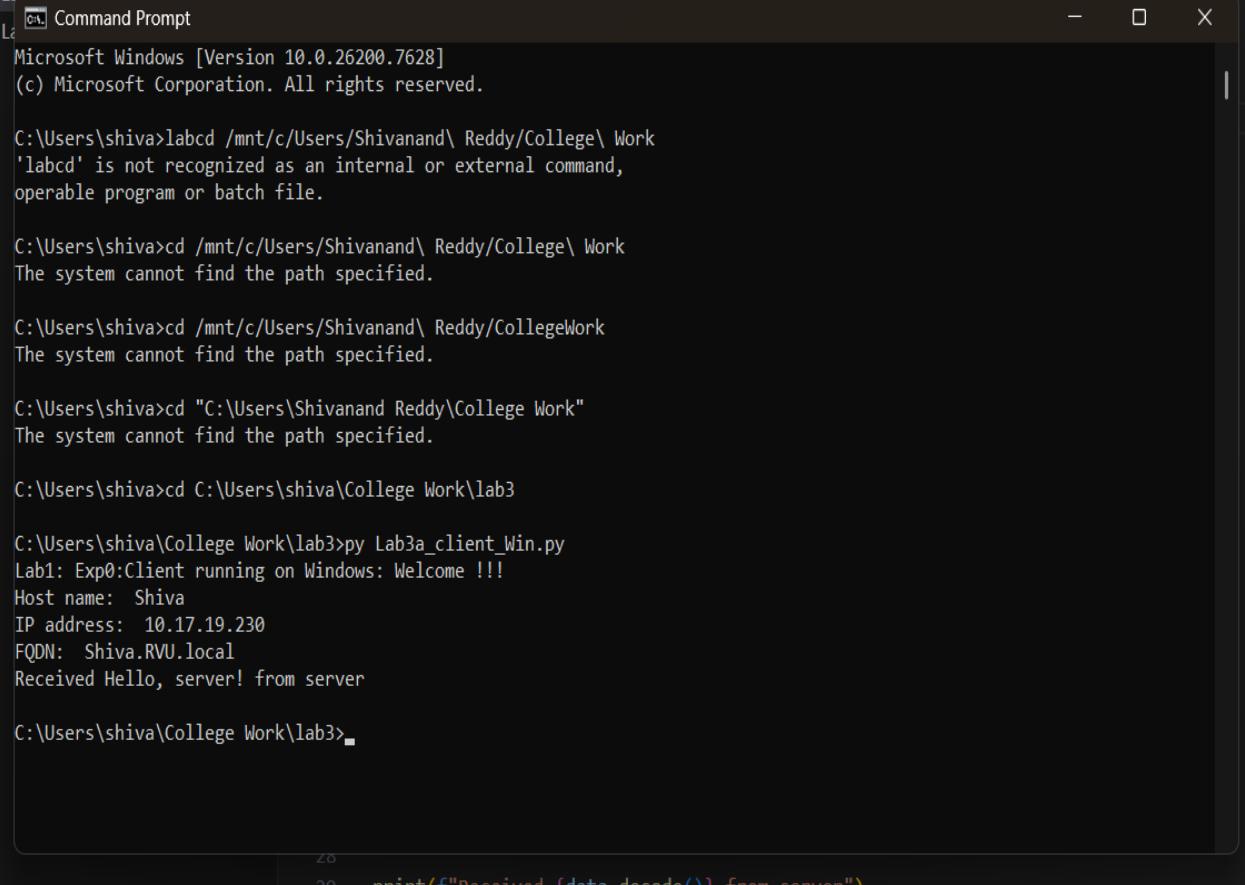
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Sec: I
Subject: Network Security
Subject Code: CS3403

Lab Experiment : 3

1.Server – wsl and client – cmd

```
shiva143@Shiva:~/mnt/c/Users/shiva/college Work/lab3
shiva143@Shiva:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
  link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
      valid_lft forever preferred_lft forever
      inet 10.255.255.254/32 brd 10.255.255.254 scope global lo
        valid_lft forever preferred_lft forever
      inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
  link/ether 00:15:5d:84:b3:63 brd ff:ff:ff:ff:ff:ff
    inet 172.26.112.9/20 brd 172.26.127.255 scope global eth0
      valid_lft forever preferred_lft forever
      inet6 fe80::215:5dff:fe84:b363/64 scope link
        valid_lft forever preferred_lft forever
shiva143@Shiva:~$ cd /mnt/c/Users/shiva/college\ Work/lab3
shiva143@Shiva:/mnt/c/Users/shiva/college Work/lab3$ ls
Lab3a_client_Win.py  Lab3a_server_WSL.py
shiva143@Shiva:/mnt/c/Users/shiva/college Work/lab3$ python Lab3a_server_WSL.py
Command 'python' not found, did you mean:
  command 'python3' from deb python3
  command 'python' from deb python-is-python3
shiva143@Shiva:/mnt/c/Users/shiva/college Work/lab3$ python3 Lab3a_server_WSL.py
Lab1: Exp0:Server running on WSL: Welcome !!!
Server listening on 0.0.0.0:65432

[✓] Server is ready.
```



```
Command Prompt
Microsoft Windows [Version 10.0.26200.7628]
(c) Microsoft Corporation. All rights reserved.

C:\Users\shiva>abcd /mnt/c/Users/Shivanand\ Reddy/College\ Work
'abcd' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\shiva>cd /mnt/c/Users/Shivanand\ Reddy/College\ Work
The system cannot find the path specified.

C:\Users\shiva>cd /mnt/c/Users/Shivanand\ Reddy/CollegeWork
The system cannot find the path specified.

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work"
The system cannot find the path specified.

C:\Users\shiva>cd C:\Users\shiva\College Work\lab3

C:\Users\shiva\College Work\lab3>py Lab3a_client_Win.py
Lab1: Exp0:Client running on Windows: Welcome !!!
Host name: Shiva
IP address: 10.17.19.230
FQDN: Shiva.RVU.local
Received Hello, server! from server

C:\Users\shiva\College Work\lab3>
```

29 print(f"Received {data.decode()}\ from server")

1.Server – cmd and client – wsl

```
Command Prompt - X

Ethernet adapter vEthernet (WSL (Hyper-V firewall)):

Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::7ca8:aa31:d191:cccb%61
IPv4 Address . . . . . : 172.26.112.1
Subnet Mask . . . . . : 255.255.240.0
Default Gateway . . . . . :

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work"
The system cannot find the path specified.

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work"
The system cannot find the path specified.

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work\lab"
The system cannot find the path specified.

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work\lab3"
The system cannot find the path specified.

C:\Users\shiva>cd C:\Users\shiva\College Work\lab3

C:\Users\shiva\College Work\lab3>py Lab3a_server_Win.py
Lab1: Exp0:Server running on WSL: Welcome !!!
Server listening on 0.0.0.0:65432
Connected by ('172.26.112.9', 60632)
Received: Hello, server!

C:\Users\shiva\College Work\lab3>
```

```
Command Prompt - X

Ethernet adapter vEthernet (WSL (Hyper-V firewall)):

Connection-specific DNS Suffix . :
Link-local IPv6 Address . . . . . : fe80::7ca8:aa31:d191:ccb%61
IPv4 Address. . . . . : 172.26.112.1
Subnet Mask . . . . . : 255.255.240.0
Default Gateway . . . . . :

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work"
The system cannot find the path specified.

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work"
The system cannot find the path specified.

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work\lab"
The system cannot find the path specified.

C:\Users\shiva>cd "C:\Users\Shivanand Reddy\College Work\lab3"
The system cannot find the path specified.

C:\Users\shiva>cd C:\Users\shiva\College Work\lab3
C:\Users\shiva\College Work\lab3>py Lab3a_server_Win.py
Lab1: Exp0:Server running on WSL: Welcome !!!
Server listening on 0.0.0.0:65432
Connected by ('172.26.112.9', 60632)
Received: Hello, server!

C:\Users\shiva\College Work\lab3>
```

