NP LAB

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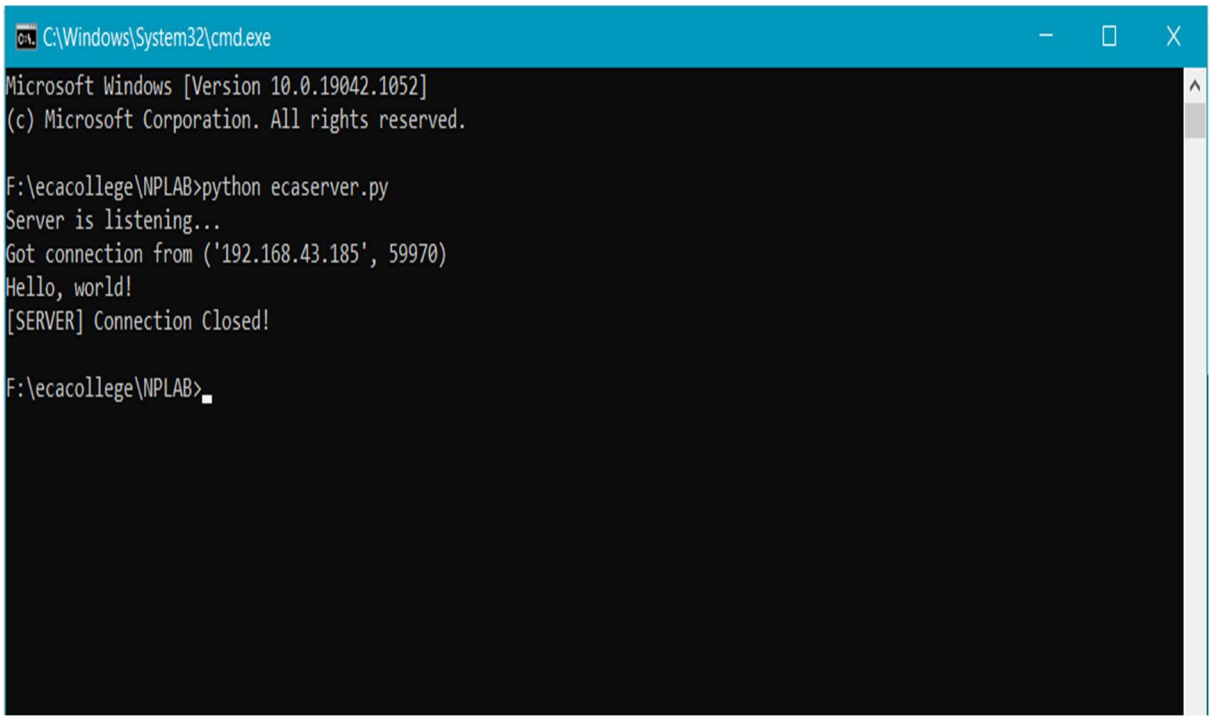
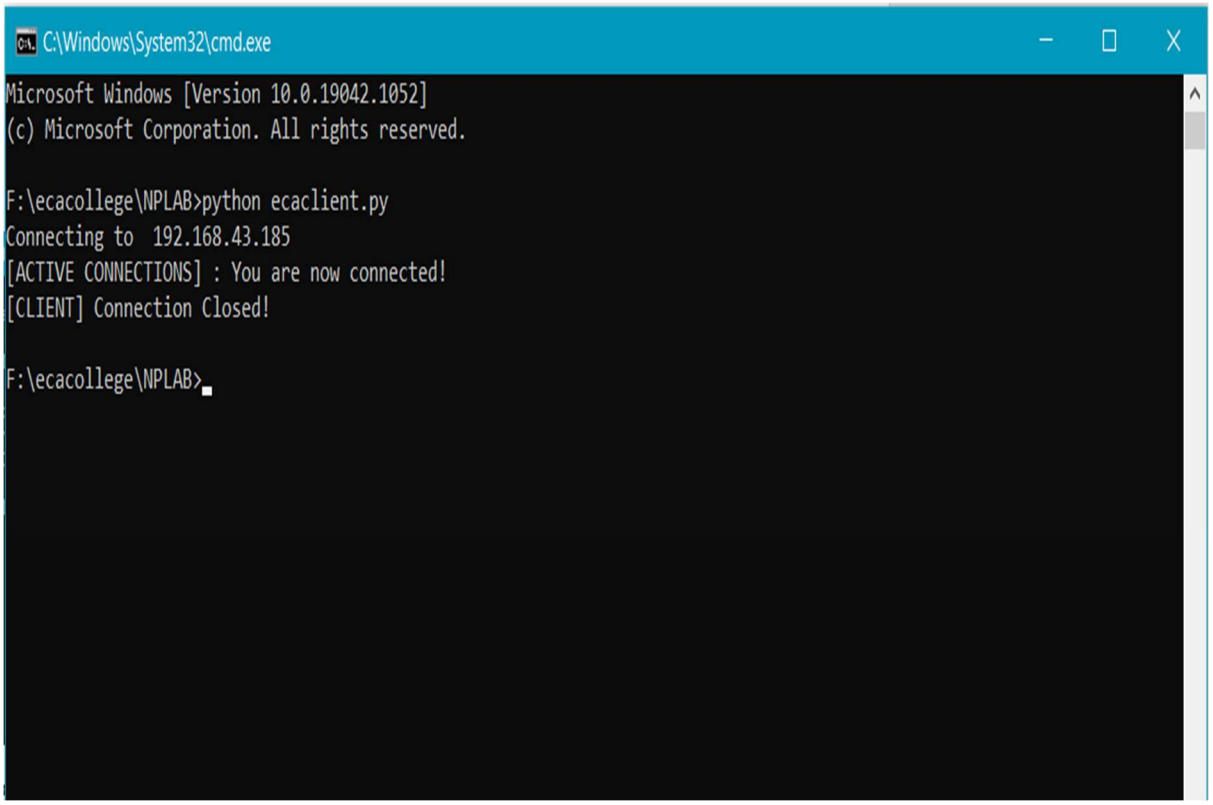
SERVER SIDE



CLIENT SIDE



SERVER SIDE CODE

ecaserver.py > ...

```python
import socket

PORT = 5050
SERVER = socket.gethostbyname(socket.gethostname())
ADDR = (SERVER, PORT)
FORMAT = 'utf-8'

server = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
server.bind(ADDR)

server.listen()
print("Server is listening...")

while True:

    conn, addr = server.accept()
    print('Got connection from', addr)

    # send connetion info message to the client.
    conn.send('[ACTIVE CONNECTIONS] : You are now connected!'.encode(FORMAT))

    # Message recived fron clint side
    print(conn.recv(13).decode(FORMAT))

    break

# Close the connection with the client
conn.close()
print("[SERVER] Connection Closed!")

```

CLIENT-SIDE CODE

ecaclient.py > ...

```python
import socket

PORT = 5050
FORMAT = 'utf-8'
SERVER = socket.gethostbyname(socket.gethostname())
print('Connecting to ', SERVER)
ADDR = (SERVER, PORT)

client = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
client.connect(ADDR)

print(client.recv(45).decode(FORMAT))

# send Hello, world! message to the server.
message = 'Hello, world!'.encode(FORMAT)
client.send(message)

# Close the connection
client.close()

print("[CLIENT] Connection Closed!")

```