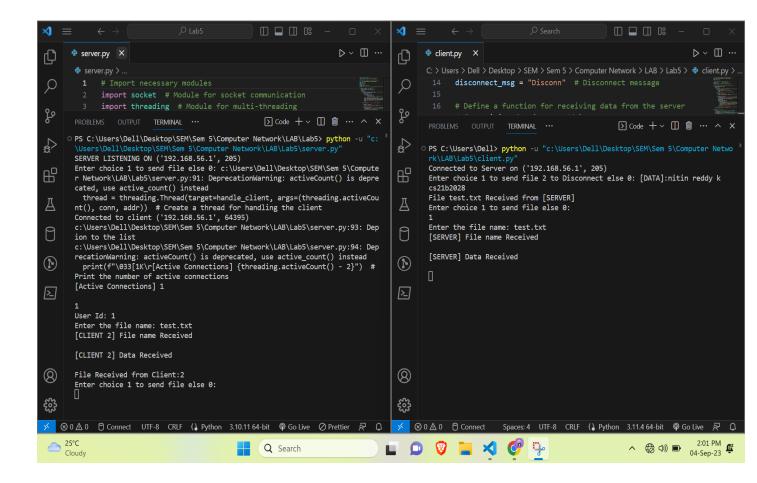
CS21B2028

LAB 5:

Terminal After Execution:



Client Code:

```
★ File Edit Selection View Go
go
                                                                  # Get the local IP address and define a port to us
ip = socket.gethostbyname(socket.gethostname())
port = 205
addr = (ip, port)
                                                                 # Define a function for receiving data from the server

def receiving data(conn, addr):

flag = True

while flag:

msg = conn.recv(size).decode(format) # Receive and decode data

if msg == 'Disconn':

print("Disconnected From the Server")

break

msg = msg.split(':') # Split received message
                                                                                                          elif msg[0] == '[FILE]':
    conn.send("[ACMION]:File name Received".encode(format)) # Send acknowledgment to server
    f = open(msg[1], 'w') # Open a file with the received filename
    ed_data = conn.recv(size).decode(format)
    print(ed_data)
    data = ed_data.split(":")
    if_data[0] == '[DATA]':
        f.write(data[1]) # Write received_data_to_the_file
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ^ (♣ Ф)) ■ 2:02 PM (4 Pm 2:02 PM (4 Pm 2:02 PM 2:02 PM (4 Pm 2:02 PM 2:02 PM 2:02 PM (4 Pm 2:02 PM 2:02 PM 2:02 PM 2:02 PM (4 Pm 2:02 PM 2:02 PM 2:02 PM 2:02 PM (4 Pm 2:02 P
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                                C > Users > Del > Desktop > SEM > Sem 5 > Computer Network > LAB > Lab5 > & client.py > ...

conn.send("[ACKNOM]:Data Received".encode(format)) # Se
print(f"\033[IX\File (msg[1]) Received from [SERVER]")
print('Enter choice 1 to send file else 0: ')

f.close() # Close the file
                                                                                      main():
    c = socket.socket(socket.AF_IMET, socket.SOCK_STREAM)  # Create a socket object
    c.connect(addr)  # Connect to the server
    recv_thread = threading.Thread(target-receiving_data, args=(c, addr))  # Create a thread for receiving data
    recv_thread.start()  # Start the receiving data thread
    print(f*Connected to Server on {addr}")
    while True:
        k = int(input('Enter choice 1 to send file 2 to Disconnect else 0: '))  # Get user input
        if k = 1
                                                                                                          if k == 1:
    file_name = input("Enter the file name: ") # Prompt for the file name
                                                                                                        file name = input('Enter the file name.') # Prompt for the file try:

f = open(file_name, 'r') # Open the file for reading
ed_file_name = '[FILE]:' + file_name
c.send(od_file_name.encode(format)) # Send the file name to the server
data = f.read() # Read the file contents
data = '[OATA]:' + data
c.send(data.encode(format)) # Send the file data to the server
f.close() # Close the file
except FileNotFoundError:
print('File Not Found\n') # Handle file not found error
elif k = 2:
c.send('Disconn'.encode(format)) # Send a disconnect message to the server
break # Exit the loop and close the program
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```

Server Code:

