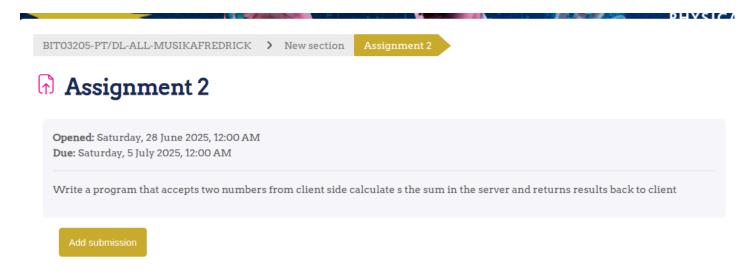
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REG NO: 21/00816.

COURSE: Bsc. IT.

NETWORK PROGRAMMING ASSIGNMENT 2

Task:



GitHub Link: GitHub - CodesByEtemesi/Network-Programming-Assgn2

Server:

```
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                                         server.py X 🖾 Assignment 2.png
       Assignment 2.png
       client.py
مړ
server_socket.listen(1)
print(f"Server is listening on {host}:{port} ... ")
# Accept connection
conn, addr = server_socket.accept()
print(f"Connected to {addr}")
Д
                                                  # Receive numbers from client
data = conn.recv(1024).decode()
                                                  conn.send(str(result).encode())
                                                  conn.close()
8
       > OUTLINE
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```

Server Listening:

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         EXPLORER
                                             server.pv
                                                                                                                  client.pv X

✓ ASSIGNMENT2

 Readme.md

                                                       client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
         server.py
                                                       # Connect to server
host = 'localhost'
port = 12345
client_socket.connect((host, port))
                                                       # Input two numbers from user
num1 = input("Enter first number: ")
num2 = input("Enter second number: ")
Д
                                                       # Send to server
data = f"{num1},{num2}"
                                                       result = client_socket.recv(1024).decode()
print(f"Sum received from server: {result}")
                                             → Assignment2 git:(master) python3 server.py
Server is listening on localhost:12345...
8
       > OUTLINE
       > TIMELINE
```

Client:

```
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        EXPLORER
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                                                  client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
                                                 host = 'localhost'
port = 12345
client_socket.connect((host, port))
num1 = input("Enter first number: ")
num2 = input("Enter second number: ")
Д
                                                  # Send to server
data = f"{num1},{num2}"
                                                  client_socket.send(data.encode())
                                                 # Receive and display result
result = client_socket.recv(1024).decode()
print(f"Sum received from server: {result}")
8
      > OUTLINE
      > TIMELINE
```

Client Connected:

```
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                                             client.py >
                                                     client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
        server.py
client_socket.connect((host, port))
num1 = input("Enter first number: ")
num2 = input("Enter second number: ")
Д
                                                     # Send to server
data = f"{num1}, {num2}"
                                                     result = client_socket.recv(1024).decode()
print(f"Sum received from server: {result}")
                                                                                                                    o → Assignment2 git:(master) python3 client.py
Enter first number:
                                            → Assignment2 git:(master) python3 server.py
Server is listening on localhost:12345...
                                                                                                                                                                                               <sub>Γ</sub> ≥ python3
                                             Connected to ('127.0.0.1', 36198)
8
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<del>ر</del>وم
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       > TIMELINE
```

Final Output:

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        EXPLORER
                                            server.pv

✓ ASSIGNMENT2

                                              client.py >
       client.py
        (i) Readme.md
                                                      client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
        server.py
                                                     # Connect to server
host = 'localhost'
port = 12345
client_socket.connect((host, port))
                                                     # Input two numbers from user
num1 = input("Enter first number: ")
num2 = input("Enter second number: ")
Д
                                                     # Send to server
data = f"{num1},{num2}"
result = client_socket.recv(1024).decode()
print(f"Sum received from server: {result}")
• → Assignment2 git:(master) python3 server.py
Server is listening on localhost:12345...
Connected to ('127.0.0.1', 36198)
• → Assignment2 git:(master)
                                                                                                                  ■ ◆ Assignment2 git:(master) python3 client.py
                                                                                                                                                                                             ■ 2sh
                                                                                                                                                                                                r ≥ zsh
                                                                                                                       Enter first number: 3
                                                                                                                        Enter second number: 4
                                                                                                                                                                                               L ∑ zsh
                                                                                                                     Sum received from server: 7

→ Assignment2 git:(master)
                                                                                                                                                                                            ∥ ≥ zsh
8
       > TIMELINE
                                                                                                                                                                              æ
```