

Name: K. Anasuya

USN: IBM17CS034

Lab 10 (TCP)

CLIENT

```
import socket
servername = '127.0.0.1'
serverport = 12345
client_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
client_socket.connect((servername, serverport))
payload = "Hey Server"
try:
    while True:
        client_socket.send(payload.encode('utf-8'))
        data = client_socket.recv(1024)
        print(str(data))
        more = input("Want to send more data to the server?")
        if more.lower() == 'y':
            payload = input("Enter payload")
        else:
            break
except KeyboardInterrupt:
    print("Exited by user")
client_socket.close()
```

SERVER

```
import socket
servername = '127.0.0.1'
serverport = 12345
server_socket = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
```

server_socket.bind((servername, serverport))

```
ServerSocket.bind((ServerName, serverPort))
ServerSocket.listen(s)
while true:
    print("Server waiting for connection")
    clientSocket, add = ServerSocket.accept()
    print("Client Connected from", add)
    while true:
        data = clientSocket.recv(1024)
        if not data or data.decode('utf-8') == 'END':
            break:
        Print("Received from client client: '%s' %data
            decode('utf-8')")
    try
        clientSocket.send(bytes("Hey client", 'utf-8'))
    except:
        print("exited by the user")
        clientSocket.close()
```