**IP Address**

import socket

url="www.example.com"

ip=socket.gethostbyname(url)

print("IP Address is: ",ip)

with socket.socket(socket.AF\_INET,socket.SOCK\_STREAM) as s:

s.connect((ip,80))

print("Connected to",url)

Server Side

import socket

host = "localhost"

port = 12345

server = socket.socket(socket.AF\_INET,socket.SOCK\_STREAM)

server.bind((host,port))

server.listen()

print(f"server listening on {host}:{port}")

client\_socket, client\_address = server.accept()

print(f"Connection established with {client\_address}")

while True:

data = client\_socket.recv(1024).decode()

if not data:

break

data = str(data).upper()

print(" from client: " + str(data))

data = input("type message: ")

client\_socket.send(data.encode())

client\_socket.close()

Client Side

import socket

host = 'localhost'

port = 12345

obj = socket.socket(socket.AF\_INET,socket.SOCK\_STREAM)

obj.connect((host,port))

message = input("type message: ")

while message != 'q':

obj.send(message.encode())

data = obj.recv(1024).decode()

print ('Received from server: ' + data)

message = input("type message: ")

obj.close()