

Assignment - 1

```
server.py > ...
1 import socket
2 s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
3 Host=socket.gethostname()
4 Port=1234
5 s.bind((Host,Port))
6 s.listen( 5)
7 while True:
8     Communication_socket,address=s.accept()
9     print(f"Connection to {address} established" )
10    message=Communication_socket.recv( 1024).decode( 'utf-8')
11    print(f"Message from client : {message} ")
12    Communication_socket.send(( "Hi client , I'm server sending u a message" ).encode('utf-8'))
13    Communication_socket.close()
14    print(f"Communication Ended" )
```

```
PS D:\College\Sems\Semester 8\Network Programming\Network Programming Section> py server.py
Connection to ('192.168.16.2', 51394) established
Message from client : Hi server , I'm the Client
Communication Ended
```

```
client.py > ...
1 import socket
2 socket_client = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
3 Host=socket.gethostname()
4 Port=1234
5 socket_client.connect((Host,Port))
6 socket_client.send(("Hi server , I'm the Client").encode('utf-8'))
7 message=socket_client.recv(1024).decode('utf-8')
8 print(f"Message from the server : {message}")
```

```
PS D:\College\Sems\Semester 8\Network Programming\Network Programming Section> py client.py
Message from the server : Hi client , I'm server sending u a message
```