

WEEK 5:-

Q-2)

Execution Result:-

```
cmd: C:\Users\ADMINI~1>cd hui
C:\Users\ADMINI~1>cd hui
C:\Users\ADMINI~1>python TsClient.py
python: can't open file 'TsClient.py': [Error 2] No such file or directory
C:\Users\ADMINI~1>cd hui
C:\Users\ADMINI~1>python TsClient.py
[Mon Oct 7 15:09:48 2025] How is everything
> I am fine
[Mon Oct 7 15:10:25 2025] I miss you too, why do you contact me?
> I set a girl, I am working whether my allowance can be increased?
[Mon Oct 7 15:11:18 2025] ?????
> ]
```

```
cmd: C:\Users\ADMINI~1>cd hui
C:\Users\ADMINI~1>cd hui
C:\Users\ADMINI~1>python TsServer.py
[Mon Oct 7 15:09:27 2025] I miss you
> I miss you too, why do you contact me?
[Mon Oct 7 15:11:12 2025] I set a girl, I am working whether my allowance can b
> increased?
> ?????
```

TsClient.py:-

```
#!/usr/bin/env python
```

```
from socket import *
```

```
from time import ctime
```

```
HOST = 'localhost'
```

```
PORT = 21567
```

```
BUFSIZ = 1024
```

```
ADDR = (HOST, PORT)
```

```
tcpCliSock = socket(AF_INET, SOCK_STREAM)
```

```
tcpCliSock.connect(ADDR)
```

```
while True:
```

```
    data1 = tcpCliSock.recv(BUFSIZ).decode()
```

```
    if not data1:
```

```
        break
```

```
    print (data1)
```

```
    data = input('> ')
```

```
    if not data:
```

```
        break
```

```
    tcpCliSock.send(('[%s] %s' % (ctime(), data)).encode())
```

```
tcpCliSock.close()
```

TsServer.py:-

```
#!/usr/bin/env python
```

```
from socket import *
```

```
from time import ctime
```

```
HOST = "
```

```
PORT = 21567
```

```
BUFSIZ = 1024
```

```
ADDR = (HOST, PORT)
```

```
tcpSerSock = socket(AF_INET, SOCK_STREAM)
```

```
tcpSerSock.bind(ADDR)
```

```
tcpSerSock.listen(5)
```

```
while True:
```

```
    print ('waiting for connection...')
```

```
    tcpCliSock, addr = tcpSerSock.accept()
```

```
    print ('...connected from:', addr)
```

```
while True:
```

```
    data = input('> ')
```

```
    if not data:
```

```
        break
```

```
    tcpCliSock.send(('[%s] %s' % (ctime(), data)).encode())
```

```
    data1 = tcpCliSock.recv(BUFSIZ).decode()
```

```
    if not data1:
```

```
        break
```

```
print (data1)
```

```
tcpCliSock.close()
```

```
tcpSerSock.close()
```