TCP

FILE TRANSFER

SERVER:-

```
import socket

server_ip = 'localhost'
server_host = 8002
SS = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
SS.bind((server_ip, server_host))
SS.listen(4)

s1, addr = SS.accept()
file_name = s1.recv(1024).decode('utf-8')
file = open(f'{file_name}', 'r')
print(f'Received file name: {file_name}')

s1.send('Received file name, what about data?'.encode('utf-8'))
file = open(f'{file_name}', 'w')

data = s1.recv(1024).decode('utf-8')
file.write(data)
s1.send('File data is received'.encode('utf-8'))

file.close()
s1.close()
```

CLIENT:-

```
import socket

server_ip = 'localhost'
server_host = 8002
CS = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
CS.connect((server_ip, server_host))

file = open('abc.txt', 'r')
data = file.read()
CS.send('abc.txt'.encode('utf-8'))
msg = CS.recv(1024).decode('utf-8')
print('Server says:', msg)

CS.send(data.encode('utf-8'))
msg = CS.recv(1024).decode('utf-8')
print('Server:', msg)

CS.close()
```

OUTPUT:-

SERVER:-

```
PS C:\Users\manis\OneDrive\Desktop\TE\CNS> python .\fileServer_TCP.py
Received file name: abc.txt
```

CLIENT:-

```
PS C:\Users\manis\OneDrive\Desktop\TE\CNS> python .\fileClient_UDP.py
Server says: Received file name, what about data?
Server: File data is received
```