

CODE:**server.py:**

```
import socket

Server_ip = "localhost"

Server_port = 8002

FORMAT = "utf-8"

SS = socket.socket(socket.AF_INET, socket.SOCK_STREAM)

SS.bind((Server_ip, Server_port))

SS.listen(5)

s1, addr = SS.accept()

file_name = s1.recv(1024).decode(FORMAT)

print("Received file name from client: ", file_name)

file = open(file_name, "w")

s1.send("Thanks client, File name received!".encode(FORMAT))

# Server sends acknowledgement to client

data = s1.recv(1024).decode(FORMAT)

print("Received file data from client: ", data)

file.write(data)

file.close()

s1.send("Thanks client, File data received!".encode(FORMAT))

# Server sends acknowledgement to client

s1.close()

SS.close()
```

client.py:

```
import socket

Server_ip = "localhost"

Server_port = 8002

FORMAT = "utf-8"

CS = socket.socket(socket.AF_INET, socket.SOCK_STREAM)

CS.connect((Server_ip, Server_port))

file = open("data/abc.txt", "r")

data = file.read()

file_name = "abc.txt"

CS.send(file_name.encode(FORMAT))

msg = CS.recv(1024)

print(msg.decode(FORMAT))

CS.send(data.encode(FORMAT))

msg = CS.recv(1024)

print(msg.decode(FORMAT))

CS.close()
```

OUTPUT:

```
>python server.py
Received file name from client:  abc.txt
Received file data from client:  Hello
```

```
>python client.py
Thanks client, File name received!
Thanks client, File data received!
```