

File Transfer in tcp:

Server side:

```
import socket
def server_program():
    host = socket.gethostname()
    port = 5000
    FORMAT = "utf-8"
    server_socket = socket.socket()
    server_socket.bind((host, port))
    server_socket.listen(2)
    conn, address = server_socket.accept()
    print("Connection from: " + str(address))
    while True:
        filename =
        conn.recv(1024).decode(FORMAT)
        if not filename:
            break
        print("from connected user: " +
            str(filename)) file =
        open(filename, "w")
        data = conn.recv(1024).decode(FORMAT)
        file.write(data)
        file.close()
        data = input(' -> ')
        conn.send(data.encode())
        conn.close()

if __name__ == '__main__':
    server_program()
```

Client Side:

```
import socket
```

```
def client_program():  
    host = socket.gethostname()  
    port = 5000  
    FORMAT = "utf-8"  
    client_socket = socket.socket()  
    client_socket.connect((host, port))  
    file = open("data.txt", "r")  
    data = file.read()  
    client_socket.send("yt.txt".enc  
ode(FORMAT))  
    client_socket.send(data.encode  
(FORMAT)) print("task done")
```

```
file.close()  
client_socket.close()
```

```
if __name__ == '__main__':  
    client_program()
```