

**Name of Student:**

**Roll No:**

**Title of Experiment:** To Perform File Transfer in Client & Server Using TCP/IP.

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## **To Perform File Transfer in Client & Server Using TCP/IP.**

### **Code:**

#### **Server.py**

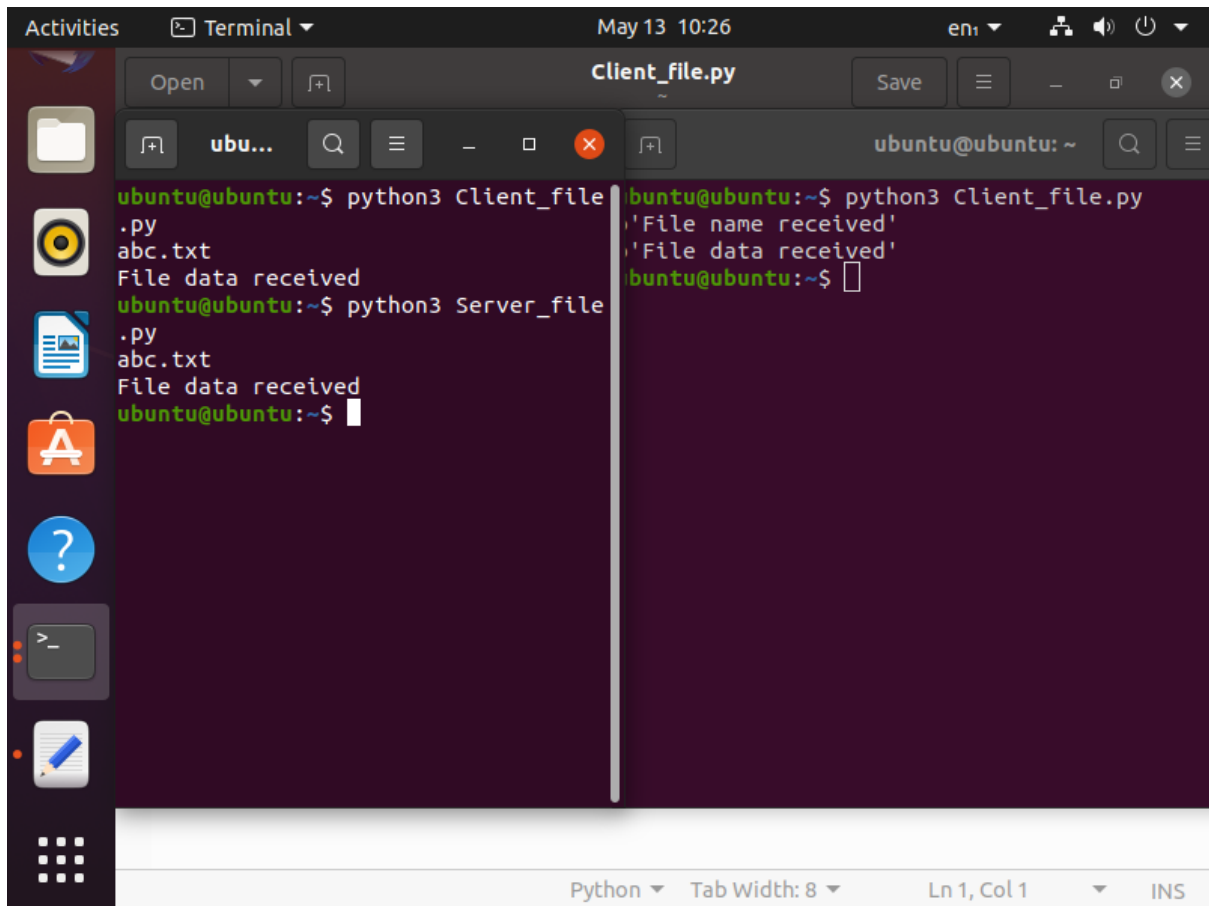
```
import socket
Server_ip="localhost"
Server_host=8002
FORMAT="utf-8"
SS=socket.socket(socket.AF_INET,socket.SOCK_STREAM)
SS.bind((Server_ip,Server_host))
SS.listen(5)
s1, addr=SS.accept()
file_name= s1.recv(1024).decode(FORMAT)
print(file_name)
file=open(file_name,"w")
s1.send("File name received".encode())
data=s1.recv(1024).decode(FORMAT)
print("File data received")
s1.send("File data received".encode())
file.write(data)
file.close()
```

#### **Client.py**

```
import socket
Server_ip="localhost"
Server_host=8002
FORMAT="utf-8"
CS=socket.socket(socket.AF_INET,socket.SOCK_STREAM)
CS.connect((Server_ip,Server_host))
file = open("data/abc.txt","r")
data=file.read()
CS.send("abc.txt".encode(FORMAT))
msg=CS.recv(1024)
print( msg)
```

```
CS.send(data.encode(FORMAT))  
msg=CS.recv(1024)  
print(msg)
```

## OUTPUT:



```
Activities Terminal May 13 10:26 en1  
Client_file.py  
Open Save  
ubu... ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ python3 Client_file.py  
.py  
abc.txt  
File data received  
ubuntu@ubuntu:~$ python3 Server_file.py  
.py  
abc.txt  
File data received  
ubuntu@ubuntu:~$  
ubuntu@ubuntu:~$ python3 Client_file.py  
'File name received'  
'File data received'  
ubuntu@ubuntu:~$
```

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