Name of Student: **Roll No:**

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

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: