

Program - 15

Aim: Using TCP/IP sockets, write a client-server program to make circuit sending

client TCP.py

```
from socket import *
server_name = '127.0.0.1'
server_port = 12000
client_socket = socket(AF_INET, SOCK_STREAM)
client_socket.connect((server_name, server_port))
sentence = input("Enter file name: ")
```

```
client_socket.send(sentence.encode())
file_content = client_socket.recv(1024).decode()
print("In from server: ")
print(file_content)
client_socket.close()
```

Server TCP.py

```
from socket import *
server_port = 12000
server_name = "127.0.0.1"
server_socket = socket(AF_INET, SOCK_STREAM)
server_socket.bind((server_name, server_port))
server_socket.listen(1)
```

while 1:

```
print("The server is ready to receive")
connection_socket, addr = server_socket.accept()
sentence = connection_socket.recv(1024).decode()
```

~~Ans~~

```
file = open(sentence, "r")
```

```
l = file.read(1024)
```

```
connection socket.send(l.encode())
```

```
print("In Sent contents of " + sentence)
```

```
file.close()
```

```
connection socket.close()
```