# **EXPERIMENT-16**

Using UDP sockets, write a client-server program to make client sending the file name and the server to send back the contents of the requested file if present.

	Experiment-16
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## Code:

#### Client:

```
from socket import *

socket=socket(AF_INET,SOCK_STREAM)

ask=input("Enter file name ")

socket.sendto(bytes(ask,"utf-8"),("192.168.238.1",3000))

file,address=socket.recvfrom(2048)

print(file.decode("utf-8"))

socket.close()
```

#### Server:

```
from socket import *

socket=socket(AF_INET,SOCK_STREAM)
socket.bind(("192.168.238.1",3000))

while True:
    message,address=socket.recvfrom(2048)
    message=message.decode("utf-8")
    file=open(message,'r')
    l=file.read(2048)
    socket.sendto(bytes(1,"utf-8"),address)
    file.close()
    socket.close()
```

## Result:

### C:\Windows\System32\cmd.exe

```
Microsoft Windows [Version 10.0.19045.3324]
(c) Microsoft Corporation. All rights reserved.
C:\Users\aravi\OneDrive\Desktop\notes\CN>python client.py
Enter file name server.py
from socket import *
socket=socket(AF_INET,SOCK_DGRAM)
socket.bind(("192.168.238.1",3000))
while True:
   message,address=socket.recvfrom(2048)
   message=message.decode("utf-8")
   file=open(message,'r')
   l=file.read(2048)
    socket.sendto(bytes(1,"utf-8"),address)
   file.close()
    socket.close()
C:\Users\aravi\OneDrive\Desktop\notes\CN>
```