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Qn: Demonstrate UDP Socket programming.

Ans:

Client. Py

```python
from socket import *

serverptaYhe = '127.0.0.1'
serverpont = 12000

ClientSocket = socket(AF_INET, SOCK - DGRAM)
Sentence = input("Enter file name: ")
Clientsocket.send to (bytes(sentence; "utf-8"),
                serverName, serverPont))

file contents, addr = Clientsocket.recvfrom(2048)
print('From Server; ', file content.decode())
clientSocket.close()
```

Server.py

```python
from socket import *

serverPort = 12000

serverSocket = socket(AF_INET, SOCK-DGRAM)
serverSocket.bind(('127.0.0.1', serverPort))
print('The server is ready to receive')

while 1:
    sentence, addr = serverSocket.recvfrom(2048)
    file = open(sentence, "r")
    l = file.read(2048)
    serverSocket.sendto(bytes(l,'utf-8'), addr)
    print('sent back to client :', l)
    file.close()
```

Ankit