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IBM18CS123

Qn: Demonstrate UDP socket programming.

Ans:

<u>client . py</u>

```
from socket import *
server name = "127.0.0.1"
server port = 12000
client socket = socket ( AF_INET, SOCK_DGRAM)
sentence = input ( "Enter file name:")
client socket . sendto ( bytes( sentence, "utf-8"), ( server_name,
                                                      server port))
file contents, addr = client socket. recvfrom ( 2048)
print ('from server:', filecontents, decode ())
client socket. close ()
```

server.py

```python
from socket import *
server port = 12000
server socket = socket (AF_INET, SOCK_DGRAM)
server socket .bind (("127.0.0.1", server port))
print (" the server is ready to recieve ")
while 1:
    sentence, addr = server socket . recv from (2048)
    file = open ( sentence , "r")
    l = file . read (2048)
    server socket . sendto ( bytes (l, " utf -8"), addr)
    print (" sent back to client : ", l)
    file . close ()
```

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