

CN LAB 10

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IBM18CS108

→ server.py

```
from socket import *
```

```
serverName = '127.0.0.1'
```

```
serverPort = 12000
```

```
serverSocket = socket(AF_INET, SOCK_DGRAM)
```

```
serverSocket.bind([serverName, serverPort])
```

```
print("server is up & is ready to receive the request  
from the clients!")
```

```
while 1:
```

```
    sentence, clientAddress = serverSocket.
```

```
        recvfrom(2048)
```

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

```
    I = file.read(2048)
```

```
    serverSocket.sendto(byte(I, "utf-8"), clientAddress)
```

```
    print("sent BACK to client")
```

```
    file.close()
```

→ client.py

```
from socket import *
```

```
serverName = "127.0.0.1"
```

```
serverPort = 12000
```

```
clientSocket = socket(AF_INET, SOCK_DGRAM)
```

```
sentence = input("Enter the filename:")
```



```
clientSocket.sendto (bytes (sentence, "utf-8"), (serverName,  
serverPort))
```

```
fileContents, serverAddress = clientSocket.recvfrom(2048)
```

```
print ("from server: ", fileContents)
```

```
clientSocket.close();
```