

17BIT0028

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L47+L48

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Q7. Write a UDP socket program to transfer the text file from server to client.

SERVER PROGRAM:

```
import socket

UDP_IP_ADDRESS = "127.0.0.1"

UDP_PORT_NO = 6789

serverSock = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)

serverSock.bind((UDP_IP_ADDRESS, UDP_PORT_NO))

while True:

    data, addr = serverSock.recvfrom(1024)

    filename='sample.txt'

    f = open(filename)

    l = f.read()

    serverSock.sendto(l.encode(),addr)

    f.close()

print('File Transmitted')
```

client program:

```
import socket

UDP_IP_ADDRESS = "127.0.0.1"

UDP_PORT_NO = 6789

clientSock = socket.socket(socket.AF_INET, socket.SOCK_DGRAM)

clientSock.sendto('Starting transmission'.encode(), (UDP_IP_ADDRESS, UDP_PORT_NO))

f=open('rec.txt','w')

print('receiving data...')
```

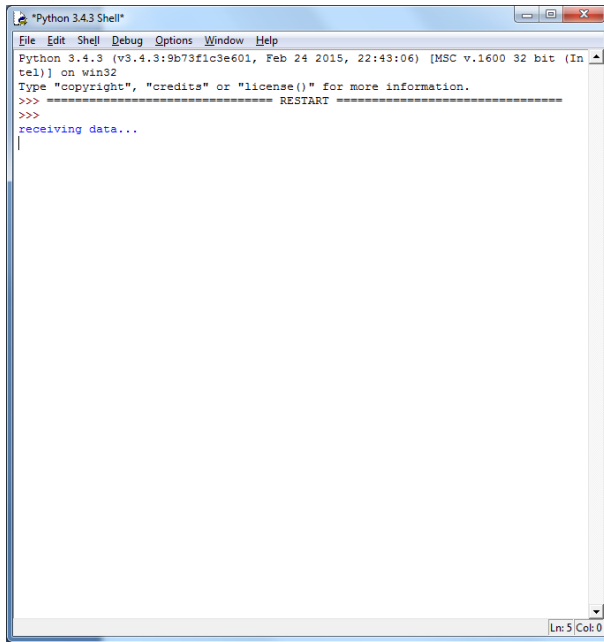
```
data = clientSock.recv(1024).decode()
```

```
f.write(data)
```

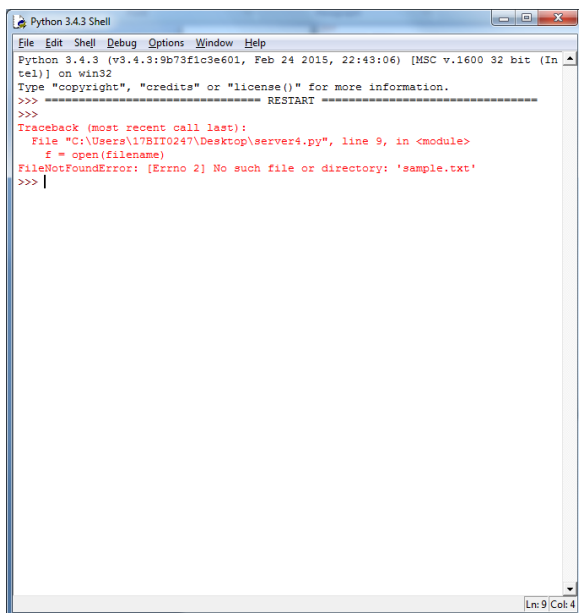
```
print(data)
```

```
f.close()
```

```
print('Successfully get the file')
```



```
Python 3.4.3 Shell
File Edit Shell Debug Options Window Help
Python 3.4.3 (v3.4.3:9b73f1c3e601, Feb 24 2015, 22:43:06) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
>>>
receiving data...
Ln: 5 Col: 0
```



```
Python 3.4.3 Shell
File Edit Shell Debug Options Window Help
Python 3.4.3 (v3.4.3:9b73f1c3e601, Feb 24 2015, 22:43:06) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
>>>
Traceback (most recent call last):
  File "C:\Users\17BIT0247\Desktop\server4.py", line 9, in <module>
    f = open(filename)
FileNotFoundError: [Errno 2] No such file or directory: 'sample.txt'
>>> |
Ln: 9 Col: 4
```