

DA51 Lab Session 1 Part II : Python

The tow files :

Server.py

```
server.py ×  
1  from socket import *  
2  
3  s = socket(AF_INET, SOCK_STREAM)  
4  s.bind(("127.0.0.1", 12345))  
5  s.listen(5)  
6  while True: # forever  
7      (conn, addr) = s.accept() # accept connection from client  
8      data = conn.recv(1024) # receive data from client  
9      if not data: break # stop if client stopped  
10     print(data)  
11     conn.send((str(data) + "*").encode('utf-8')) # return sent data plus an "*"   
12     conn.close() # close the connection
```

Client.py

```
client.py ×  
1  from socket import *  
2  
3  s = socket(AF_INET, SOCK_STREAM)  
4  s.connect(("localhost", 12345)) # connect to server (block until accepted)  
5  s.send('Hello, world'.encode('utf-8')) # send some data  
6  data = s.recv(1024) # receive the response  
7  print(data) # print the result  
8  s.close() # close the connectio
```