Experiment_6_IPC

1. Server.py

```
from multiprocessing.connection import Listener
import threading

listener = Listener(('localhost', 6000) )
conn = listener.accept()
print ('connection accepted from', listener.last_accepted)

def serverSend():
    while True:
        msg = input("Enter Any message:  ")
        conn.send(msg)
def serverRecv():
    while True:
        msg = conn.recv()
        print(f"Recieved {repr(msg)}")

t1 = threading.Thread(target=serverRecv).start()
t2 = threading.Thread(target=serverSend).start()
```

2. Client.py

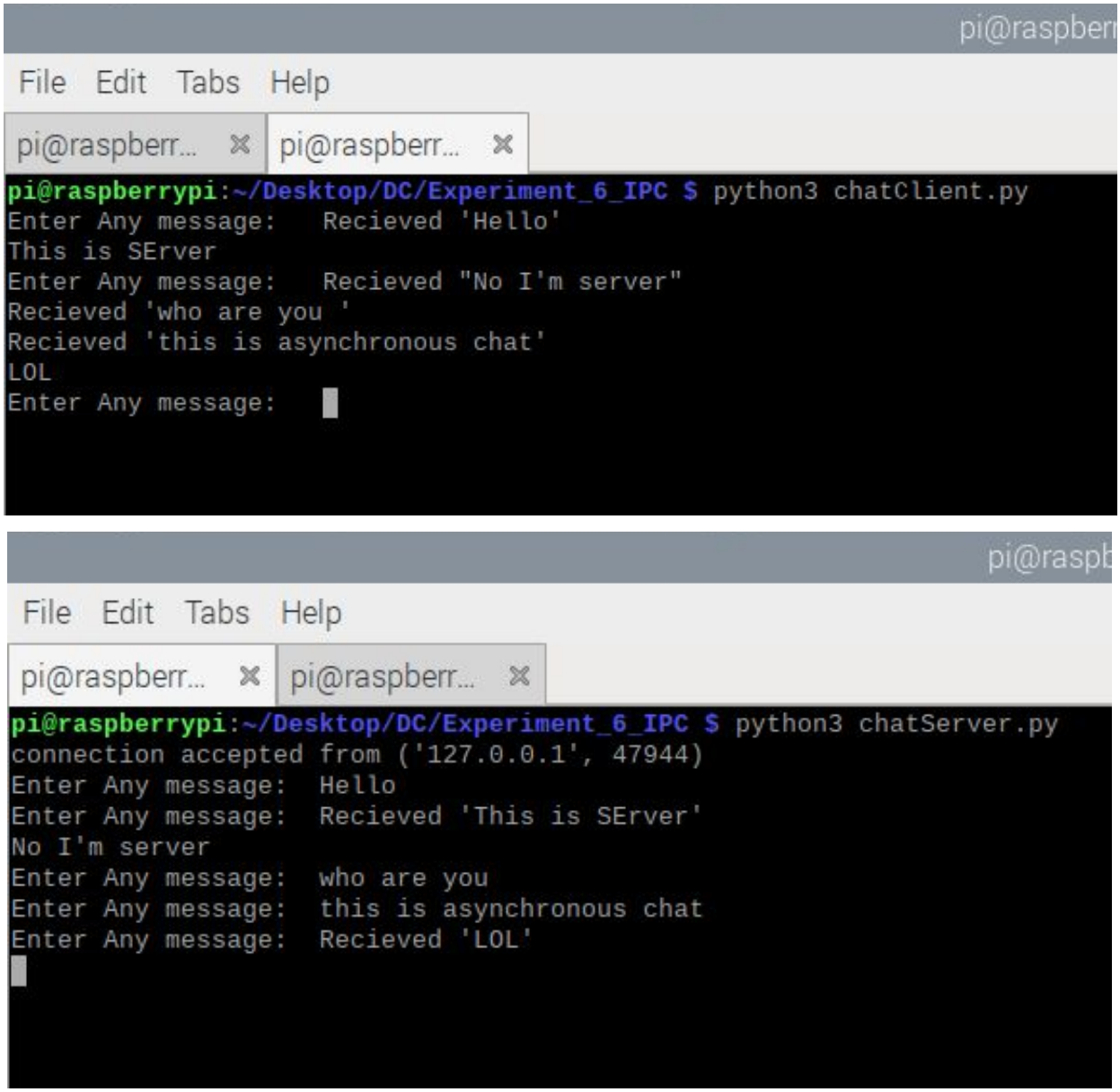
```
from multiprocessing.connection import Client
import threading

conn = Client(('localhost', 6000))

def clientSend():
    while True:
        msg = input("Enter Any message:   ")
        conn.send(msg)
def clientRecv():
    while True:
        msg = conn.recv()
        print(f"Recieved {repr(msg)}")

t1 = threading.Thread(target=clientSend).start()
t2 = threading.Thread(target=clientRecv).start()
```

Output


pi@raspberr
File Edit Tabs Help
pi@raspberr...
pi@raspberr...
pi@raspberrypi:~/Desktop/DC/Experiment_6_IPC $ python3 chatClient.py
Enter Any message: Recieved 'Hello'
This is SErver
Enter Any message: Recieved "No I'm server"
Recieved 'who are you '
Recieved 'this is asynchronous chat'
LOL
Enter Any message:

pi@raspb
File Edit Tabs Help
pi@raspberr...
pi@raspberr...
pi@raspberrypi:~/Desktop/DC/Experiment_6_IPC $ python3 chatServer.py
connection accepted from ('127.0.0.1', 47944)
Enter Any message: Hello
Enter Any message: Recieved 'This is SErver'
No I'm server
Enter Any message: who are you
Enter Any message: this is asynchronous chat
Enter Any message: Recieved 'LOL'