

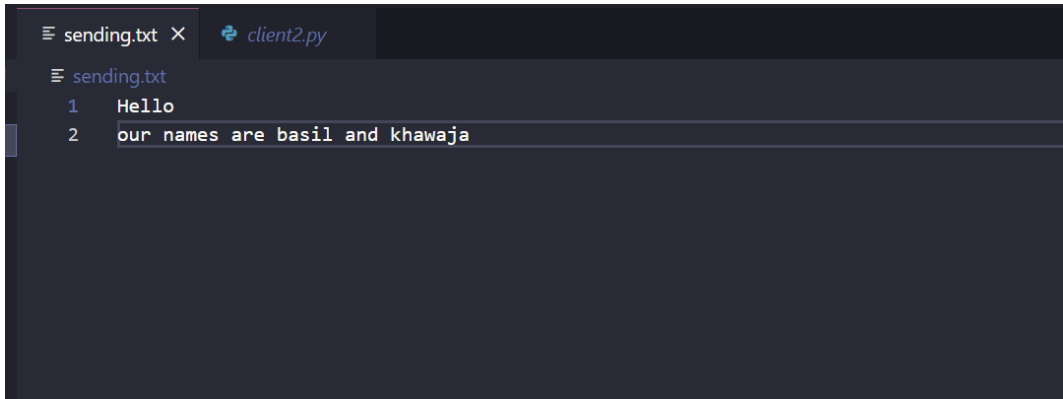
## CN Assign3

Group members:

20k-0477

20k-0385

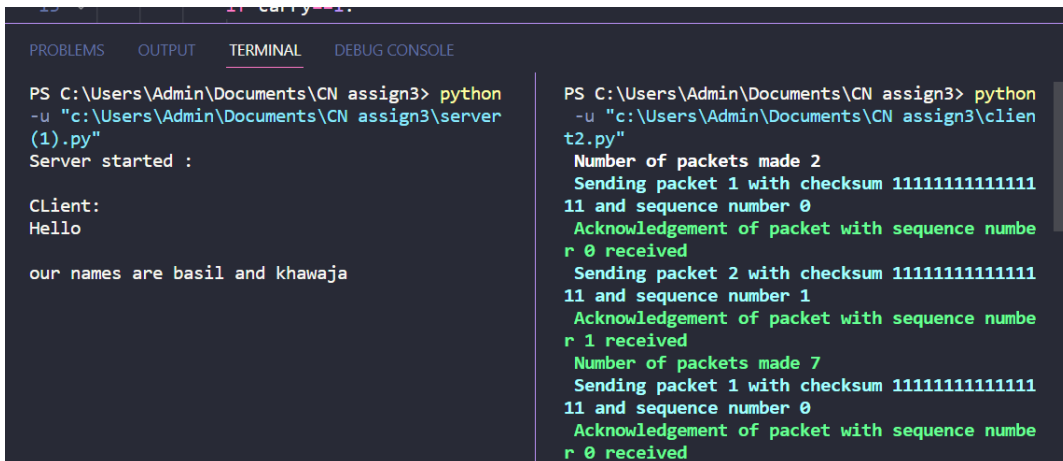
File to send:



```
sending.txt X client2.py
sending.txt
1 Hello
2 our names are basil and khawaja
```

**With packet size 5 (can be changed) and timer=0.08:**

Packet sent with check sum and sequence number and acknowledgement received with sequence number



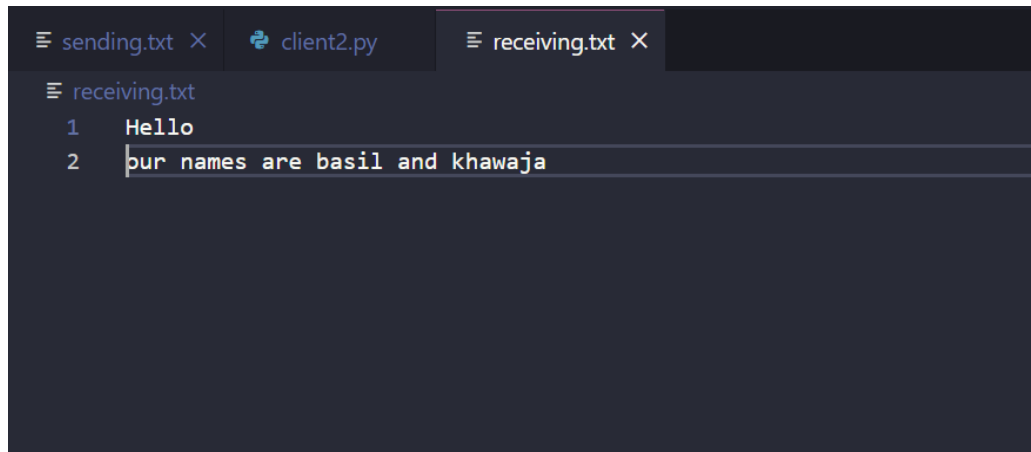
```
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
PS C:\Users\Admin\Documents\CN assign3> python
-u "c:\Users\Admin\Documents\CN assign3\server
(1).py"
Server started :

Client:
Hello

our names are basil and khawaja

PS C:\Users\Admin\Documents\CN assign3> python
-u "c:\Users\Admin\Documents\CN assign3\clien
t2.py"
Number of packets made 2
Sending packet 1 with checksum 11111111111111
11 and sequence number 0
Acknowledgement of packet with sequence numbe
r 0 received
Sending packet 2 with checksum 11111111111111
11 and sequence number 1
Acknowledgement of packet with sequence numbe
r 1 received
Number of packets made 7
Sending packet 1 with checksum 11111111111111
11 and sequence number 0
Acknowledgement of packet with sequence numbe
r 0 received
```

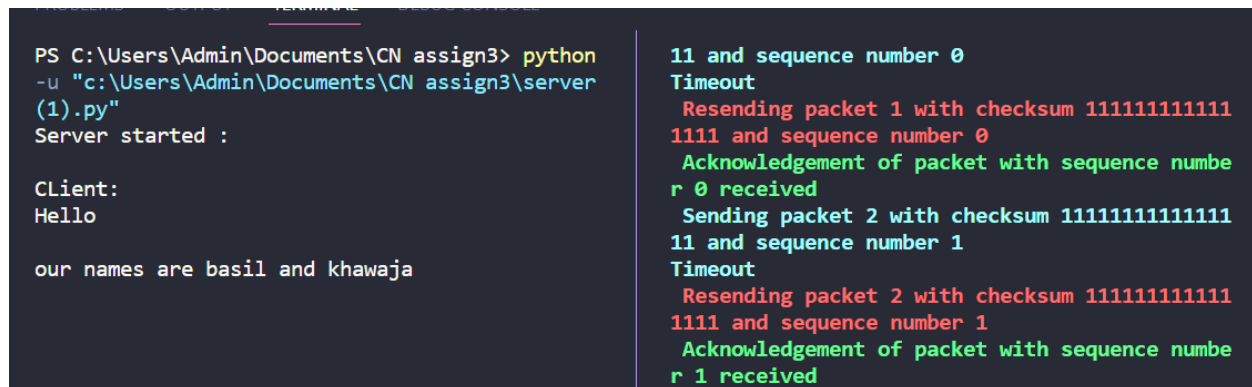
**File received:**



The screenshot shows a code editor with three tabs: 'sending.txt', 'client2.py', and 'receiving.txt'. The 'receiving.txt' tab is active and displays the following text:

```
1 Hello
2 our names are basil and khawaja
```

**With packet size 5 and timer=0.0008:  
Timeout:**



The screenshot shows a terminal window with two columns of output. The left column shows the server's perspective, and the right column shows the client's perspective.

**Server side (left):**

```
PS C:\Users\Admin\Documents\CN assign3> python
-u "c:\Users\Admin\Documents\CN assign3\server
(1).py"
Server started :

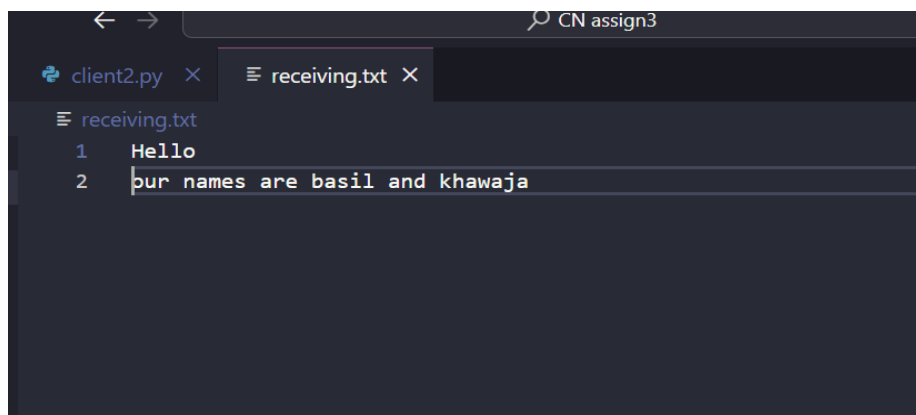
Client:
Hello

our names are basil and khawaja
```

**Client side (right):**

```
11 and sequence number 0
Timeout
Resending packet 1 with checksum 111111111111
1111 and sequence number 0
Acknowledgement of packet with sequence numbe
r 0 received
Sending packet 2 with checksum 111111111111
11 and sequence number 1
Timeout
Resending packet 2 with checksum 111111111111
1111 and sequence number 1
Acknowledgement of packet with sequence numbe
r 1 received
```

**File received:**



The screenshot shows a code editor with two tabs: 'client2.py' and 'receiving.txt'. The 'receiving.txt' tab is active and displays the following text:

```
1 Hello
2 our names are basil and khawaja
```