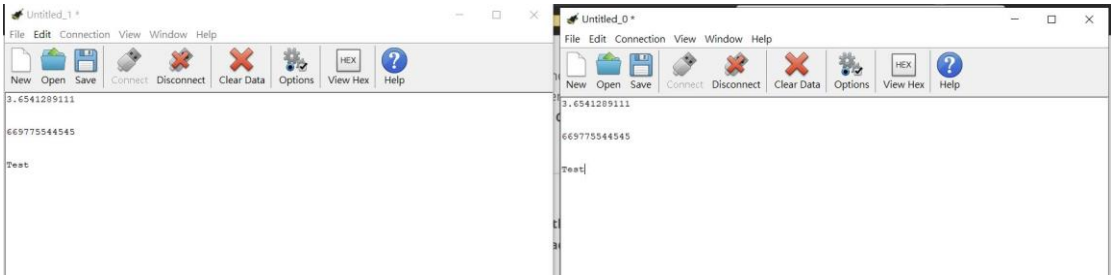
In this lab, we learn how to use XBee.

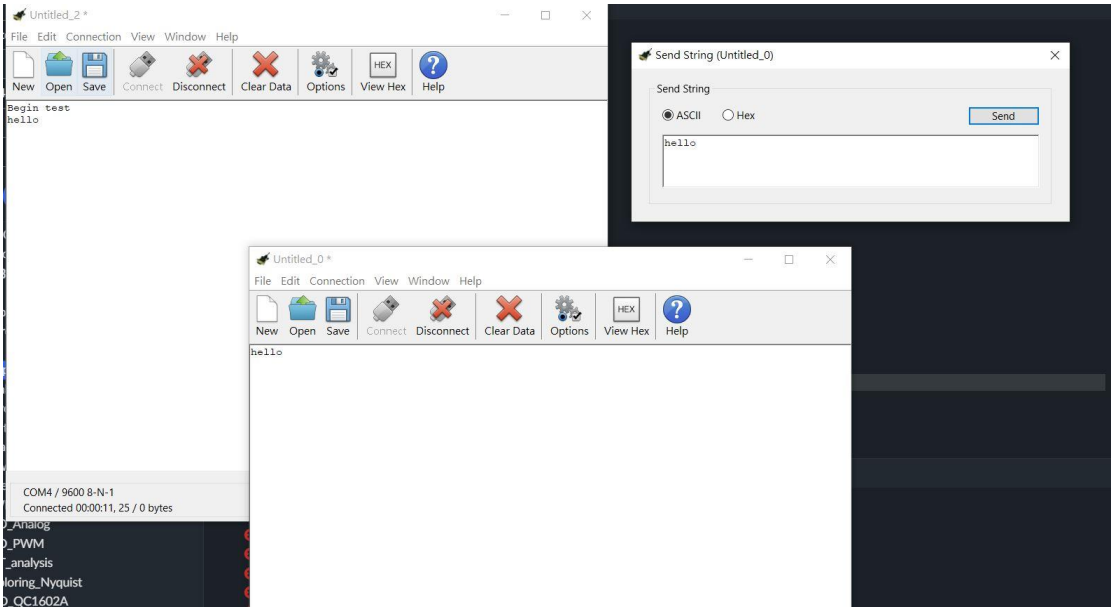
(1) Configure XBee and test

In this part, use coolterm to set 2 Xbee chip, then use mbed to test whether two 2 chips are set properly.

Connected chip A and chip B through usb adapter, test them.




Chip A with USB adapter and chip B connected to mbed.



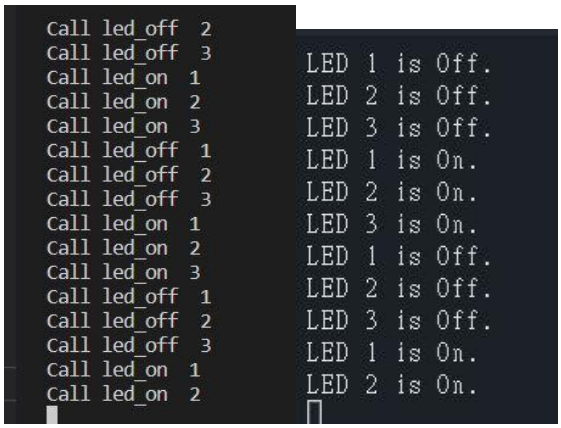

(2) XBee programming

Next, we send message and get the feedback through both Mbed and Python.

```
PS D:\embedded system\11_4_XBee_remote> py Xbee_host.py COM10
message: 0
b'Send message: 0\n'
message: 1
b'Send message: 1\n'
message: 2
b'Send message: 2\n'
message: 3
b'Send message: 3\n'
message: 4
b'Send message: 4\n'
PS D:\embedded system\11_4_XBee_remote>
```

(3) With erpc service

In this section, we can see that erpc_service work fine through XBee.




(4) Discussion

I use Bluetooth on Arduino before, and the configuration looked quite similar to XBee. But XBee is much easier to know how the interface do. With RX, TX I think it is quite similar to UART(Or maybe it is.) Take it as a remote version of UART(?).