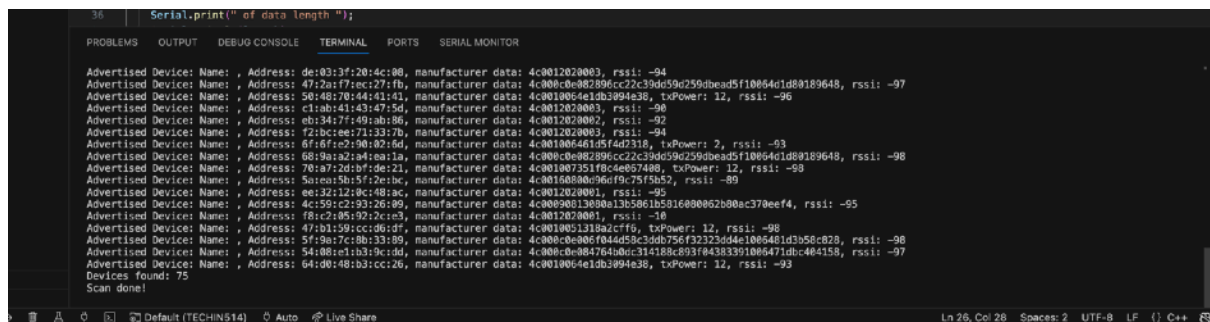


Team: Yahan Xie, Jie Ji

1. The link to your edited code is on GitHub. You can either create a new repo or push the updates to your existing repo for all labs (recommended).

<https://github.com/yahanna/514lab4>

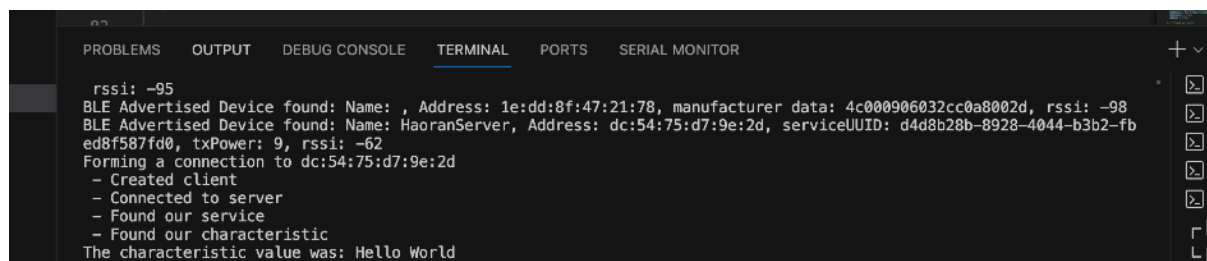
2. Screenshot of your serial monitor displaying the **number of Bluetooth devices detected** using your MCU as BLEScanner



```
Serial.print(" of data length ");

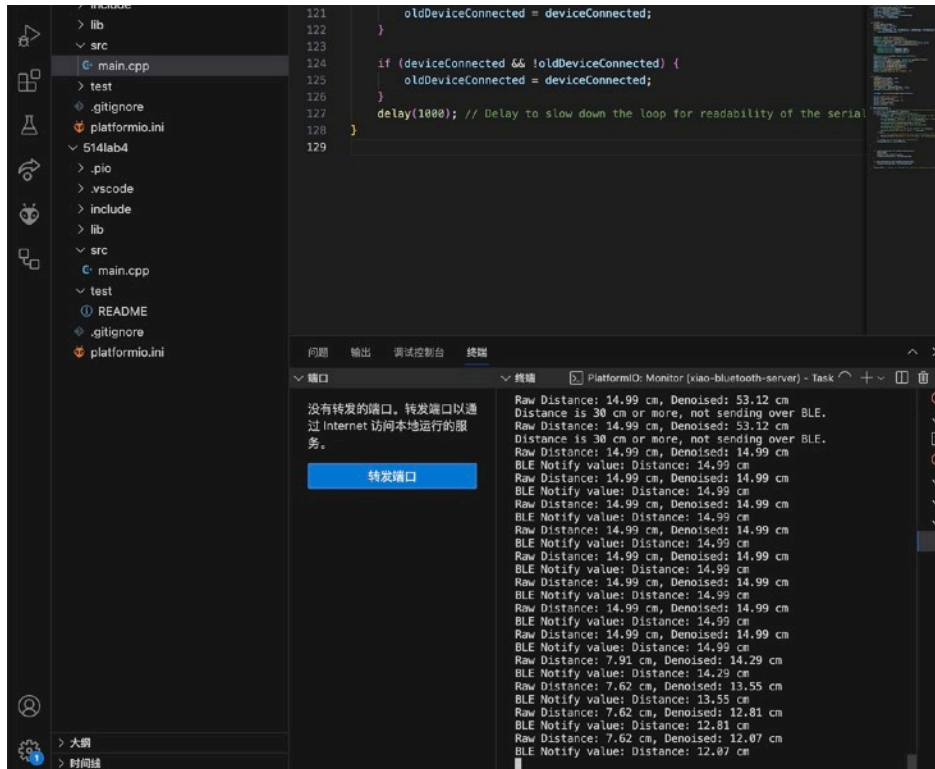
Advertised Device: Name: , Address: de:03:3f:20:4c:00, manufacturer data: 4c0012020003, rssi: -94
Advertised Device: Name: , Address: 47:2a:17:ec:27:fb, manufacturer data: 4c000c0e02896cc22c39d59c250dbead5f10064d1d89189648, rssi: -97
Advertised Device: Name: , Address: 50:48:70:64:41:41, manufacturer data: 4c0010064e1db3994e38, txPower: 12, rssi: -96
Advertised Device: Name: , Address: c1:ab:41:43:47:5d, manufacturer data: 4c0012020003, rssi: -90
Advertised Device: Name: , Address: eb:34:7f:49:ab:86, manufacturer data: 4c0012020002, rssi: -92
Advertised Device: Name: , Address: 72:8c:ee:71:33:7b, manufacturer data: 4c0012020003, rssi: -94
Advertised Device: Name: , Address: 6f:6f:c2:90:82:6d, manufacturer data: 4c001006461d5f4d2318, txPower: 2, rssi: -93
Advertised Device: Name: , Address: 68:9a:a2:a4:ea:1a, manufacturer data: 4c000c0e02896cc22c39d59c250dbead5f10064d1d89189648, rssi: -98
Advertised Device: Name: , Address: 70:a7:2d:bf:de:21, manufacturer data: 4c001007351f8c4e067408, txPower: 12, rssi: -90
Advertised Device: Name: , Address: 5a:ea:1b:5f:2e:bc, manufacturer data: 4c0016080b096f9c75f3852, rssi: -89
Advertised Device: Name: , Address: 0e:32:12:0c:48:ac, manufacturer data: 4c0012020001, rssi: -95
Advertised Device: Name: , Address: 4c:59:c2:93:26:09, manufacturer data: 4c00090013090a13b5061b501600062b00ac370eef4, rssi: -95
Advertised Device: Name: , Address: f8:c2:05:92:2c:e3, manufacturer data: 4c0012020001, rssi: -10
Advertised Device: Name: , Address: 47:b1:59:cc:86:df, manufacturer data: 4c0010091318a2cf6, txPower: 12, rssi: -88
Advertised Device: Name: , Address: 5f:9a:7c:8b:33:09, manufacturer data: 4c000c0e00f044d50c3db756f3232dd4e1006401d3b58c028, rssi: -90
Advertised Device: Name: , Address: 54:08:e1:b3:9c:dd, manufacturer data: 4c000c0e084764b0dc314188c893f84383391006471dbc404158, rssi: -97
Advertised Device: Name: , Address: 64:00:48:b3:cc:26, manufacturer data: 4c0010064e1db3994e38, txPower: 12, rssi: -93
Devices found: 75
Scan done!
```

3. Screenshot of the serial monitor of your client device to show successful connection with your server device (make sure the server device's name is included).



```
rssi: -95
BLE Advertised Device found: Name: , Address: 1e:dd:8f:47:21:78, manufacturer data: 4c000906032cc0a8002d, rssi: -98
BLE Advertised Device found: Name: HaoranServer, Address: dc:54:75:d7:9e:2d, serviceUUID: d4d8b28b-8928-4044-b3b2-fb
ed8f587fd0, txPower: 9, rssi: -62
Forming a connection to dc:54:75:d7:9e:2d
- Created client
- Connected to server
- Found our service
- Found our characteristic
The characteristic value was: Hello World
```

4. Screenshot of the serial monitor of your server device to show the raw and denoised sensor data.



5. Screenshot of the serial monitor of your client device to show the currently-reading, maximum, and minimum data transmitted from your server device.

