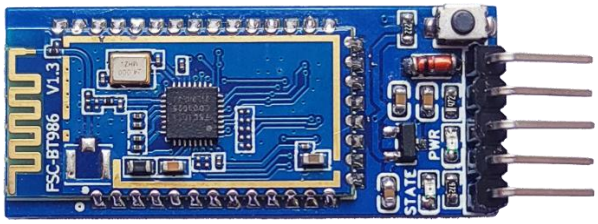
# ADIY BT986 Bluetooth Module

# User Manual



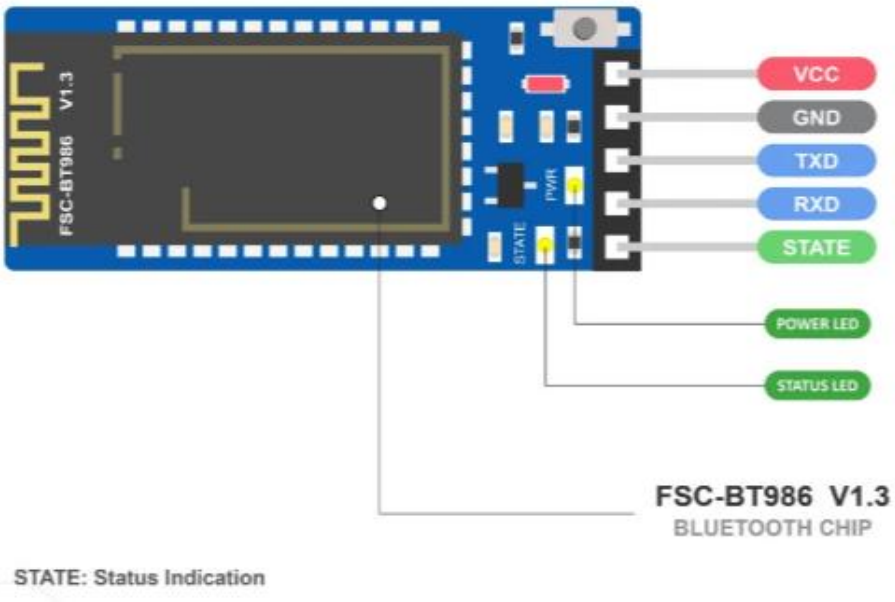




## Description:

ADIY BT-986 Bluetooth Module, as name indicates this module has Bluetooth. The chip is from Feasycom. This module operates on the 2400MHz to 2480 MHz ISM frequency band. Bluetooth 5.2 Classical/BLE Proprietary double-mode RF SOC.

Main advantage of this module is it works in both mode without pressing switch.




STATE: Status Indication

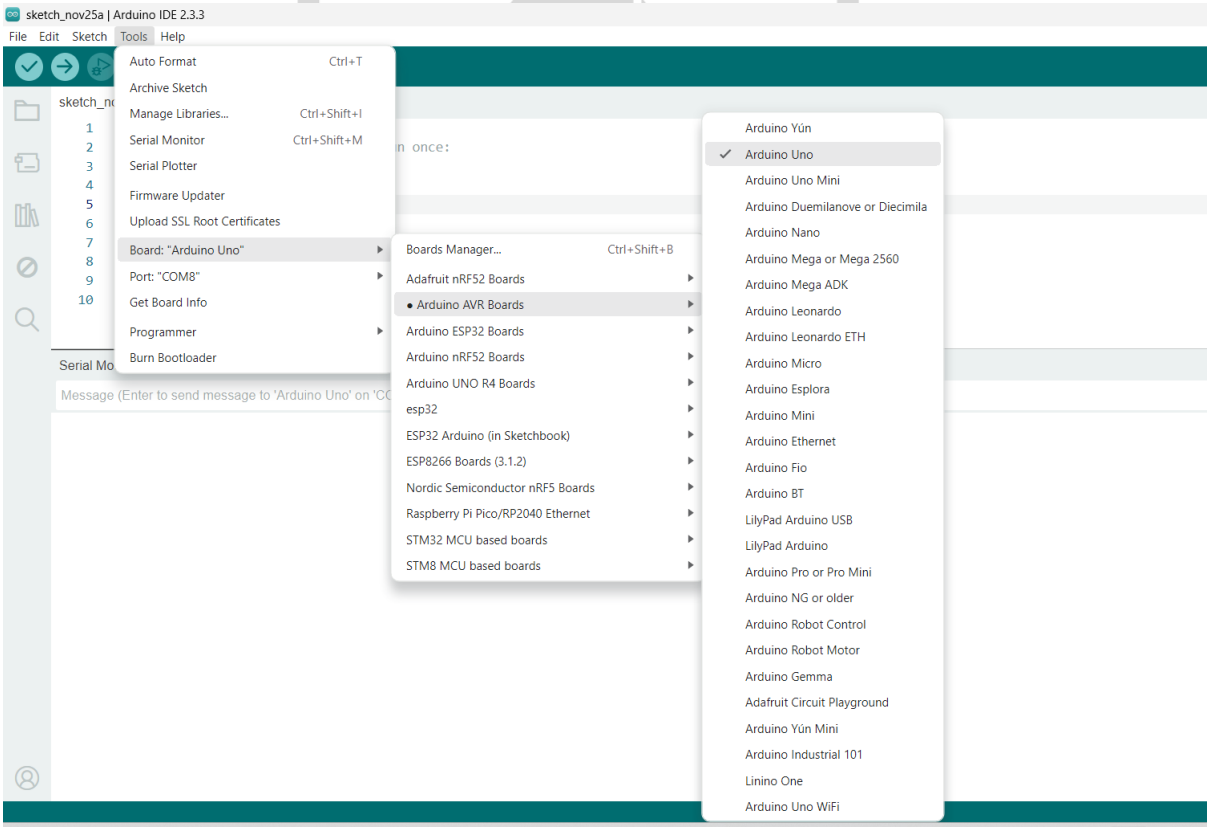
Now we will check how to communicate using BT-986 module.

## Connections:

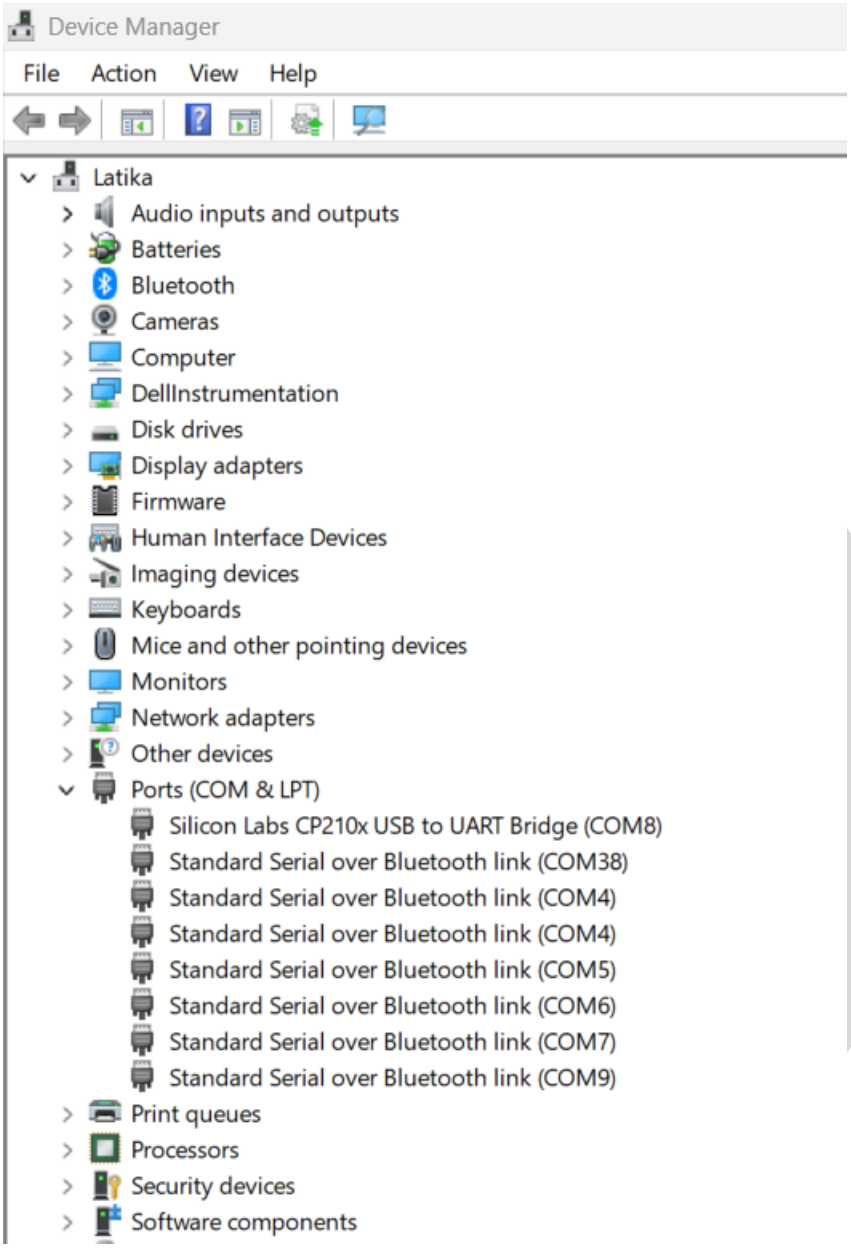
| ADIY UNO | ADIY-BT986 |
|---|---|
| 5V | VCC |
| GND | GND |
| TX | TX |
| RX | RX |

Interfacing BT-986 Bluetooth module with ADIY UNO.

Open Arduino IDE software and select proper board name and com port number.

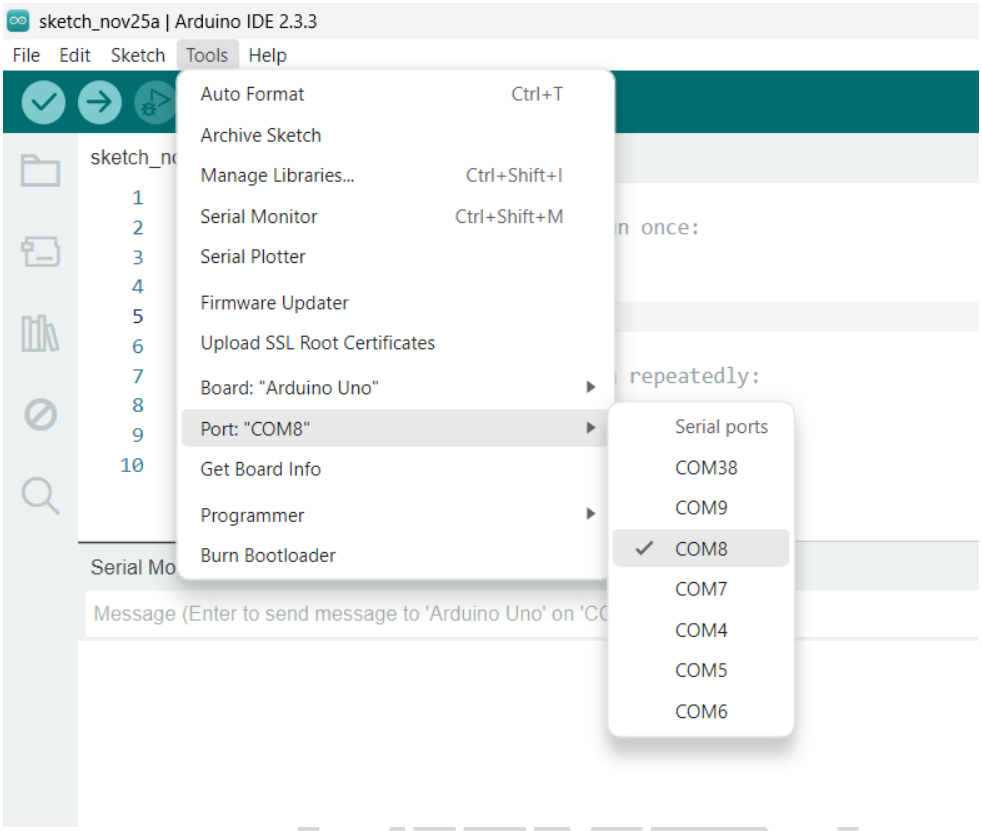



You can check com port number in device manager. Type “Device manager” in search box of computer. One window will pop-up, there need to click on “Port”

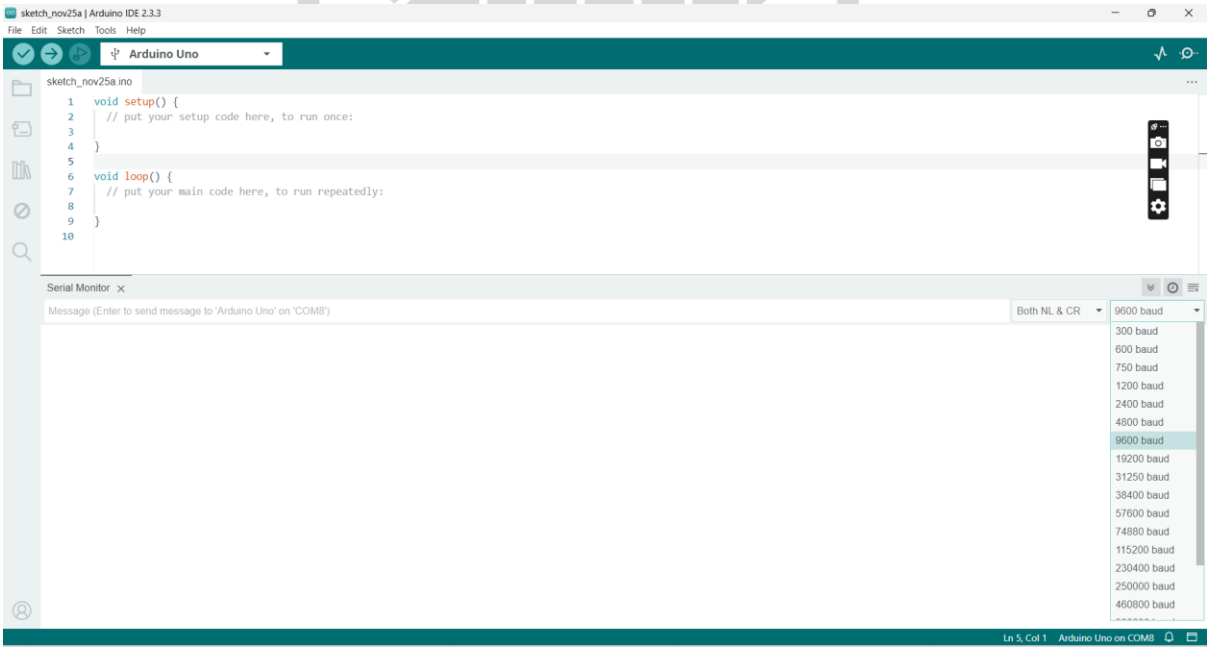



In this case, com port is 8.

Then go to tools and select com port as shown in below image.

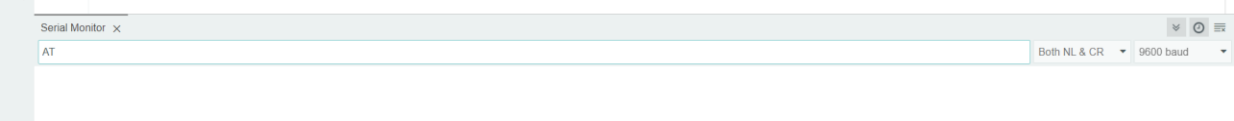



Set buad rate as 9600 as shown in below image.



Check AT commands

Type “AT” in serial monitor and press enter,



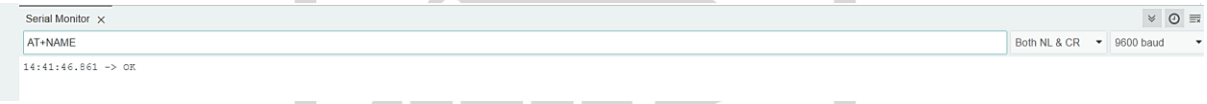

You will get response as “OK”
Note :- If not getting “OK” response then check below things,

Baud rate must 9600 (by default)

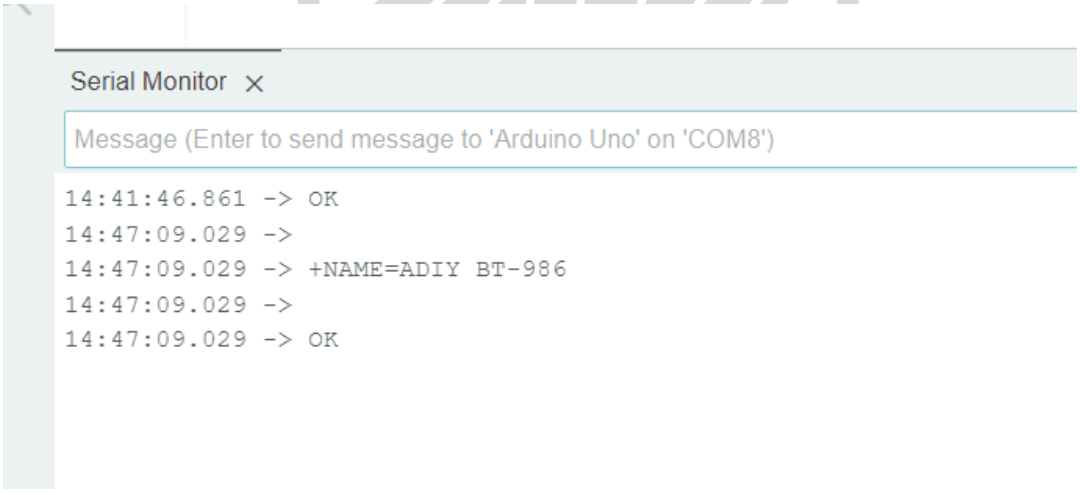
TX and RX pins. For UNO it must be TX-TX and RX-RX. If you are using any other board you can interchange pins i.e. TX-RX and RX-TX

If module is already connected to other Bluetooth then you need to first unpair the Bluetooth. Then you can try to send command.

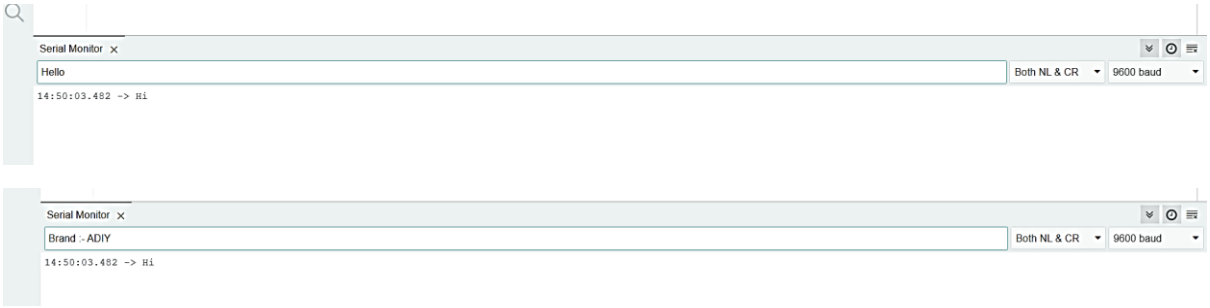
To check name of the Bluetooth module



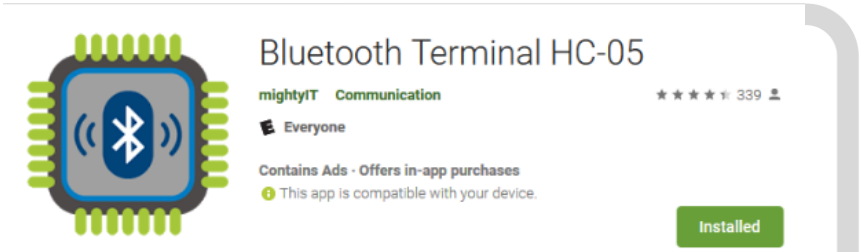

response



Communication

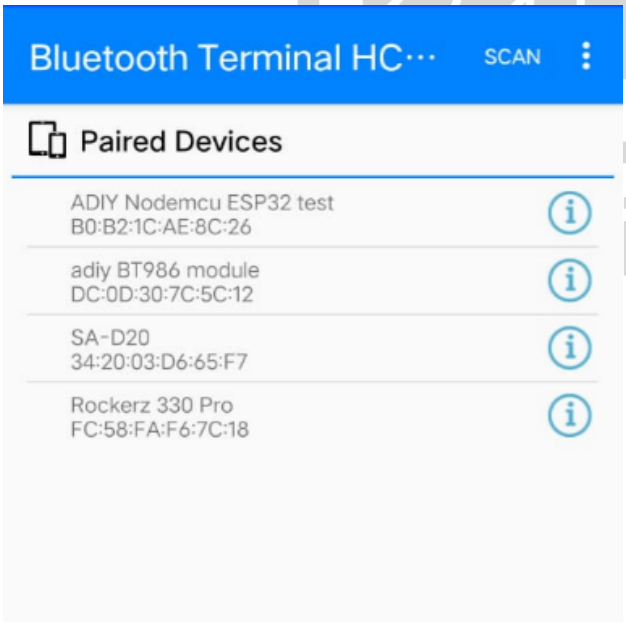



“Bluetooth Terminal HC-05” this application needs to install in your device/mobile.

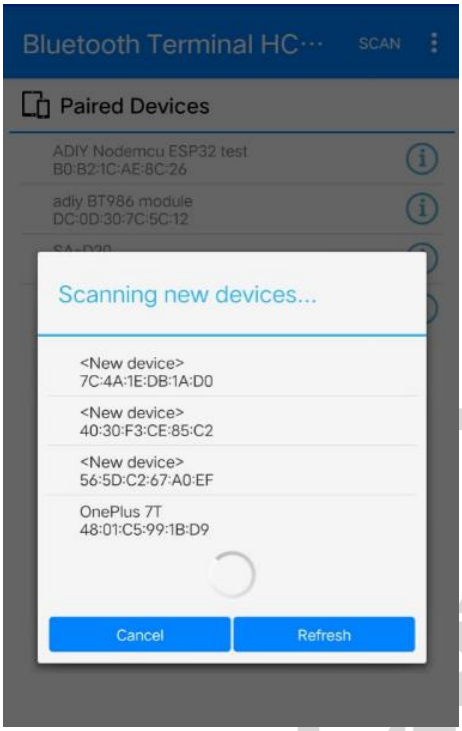



Once done with installation, we will get page like below.

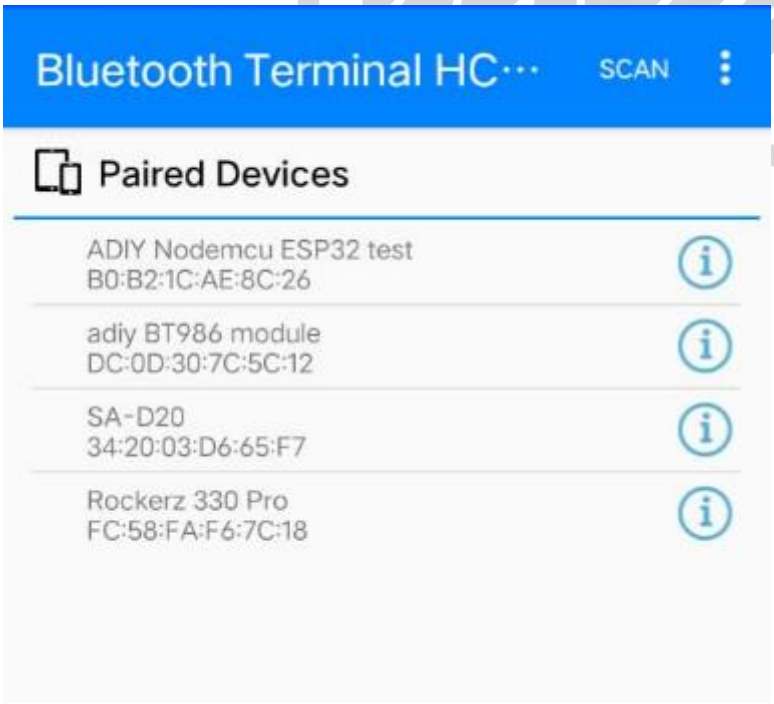
Click on “SCAN”



After clicking on “SCAN” button you will see some near by Bluetooth names. Select your Bluetooth name

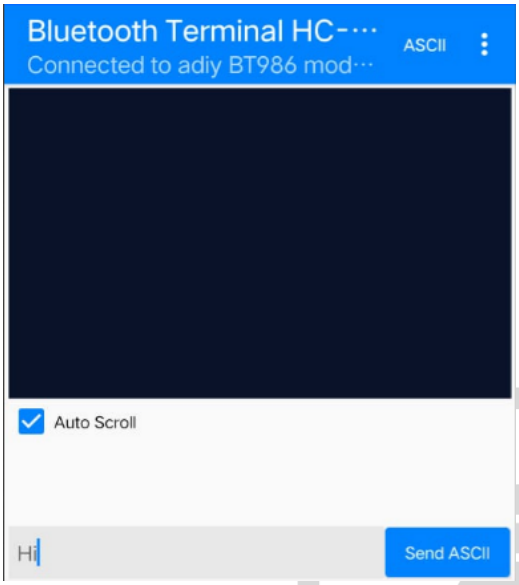


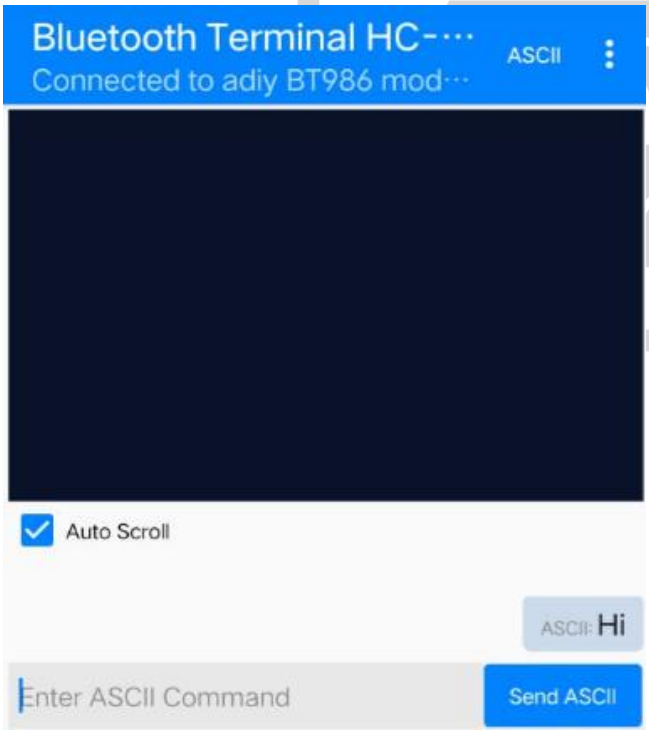

In this case, we have selected adiy BT986 module



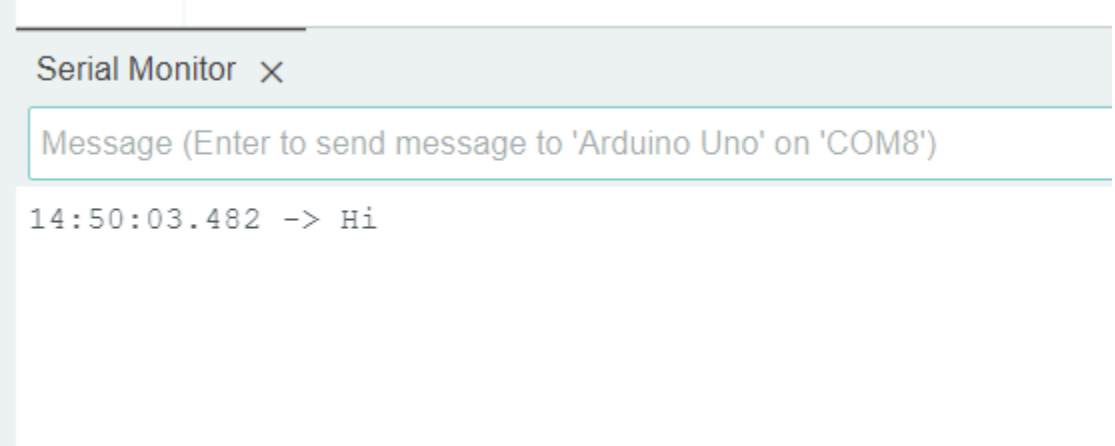
Type “Hi” in serial monitor and enter.

check whether you are getting response in IDE software.

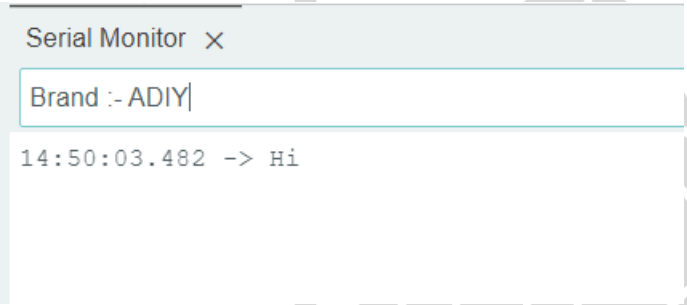


Received response on IDE serial monitor




Try another text from IDE software to mobile




And check on mobile whether you have received msg or not

