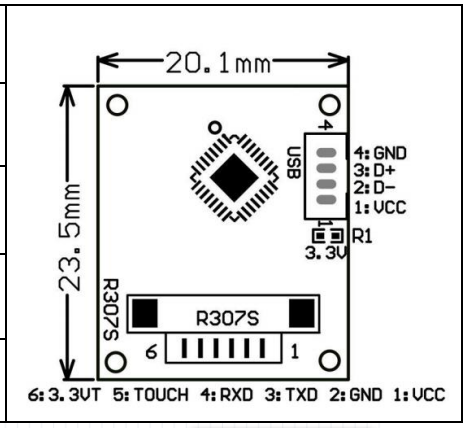
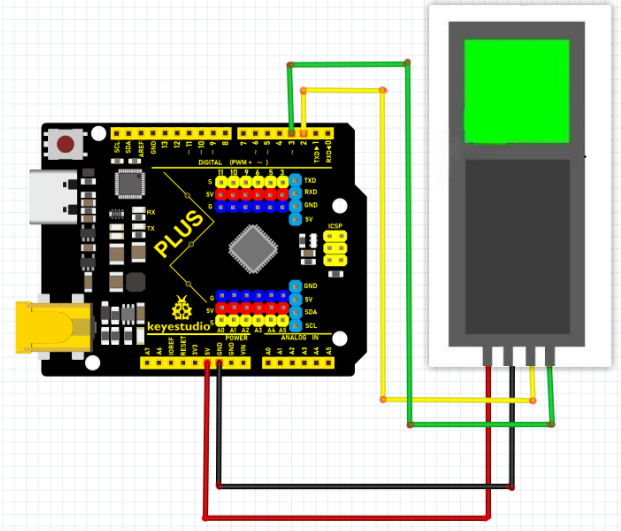
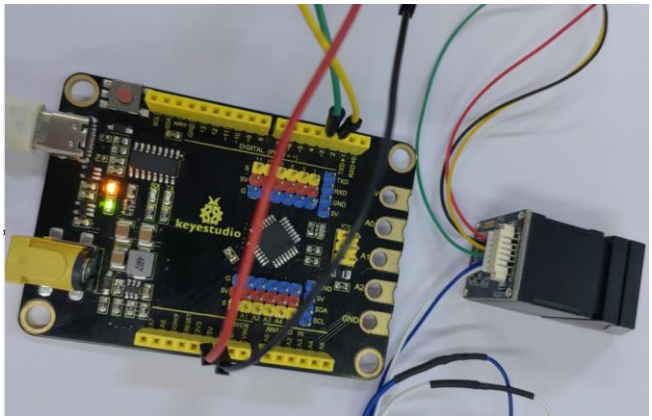
R307S Optical fingerprint module

1. Product wiring:

Arduino	R307S
5V	5V
GND	GND
2	TXD
3	RXD

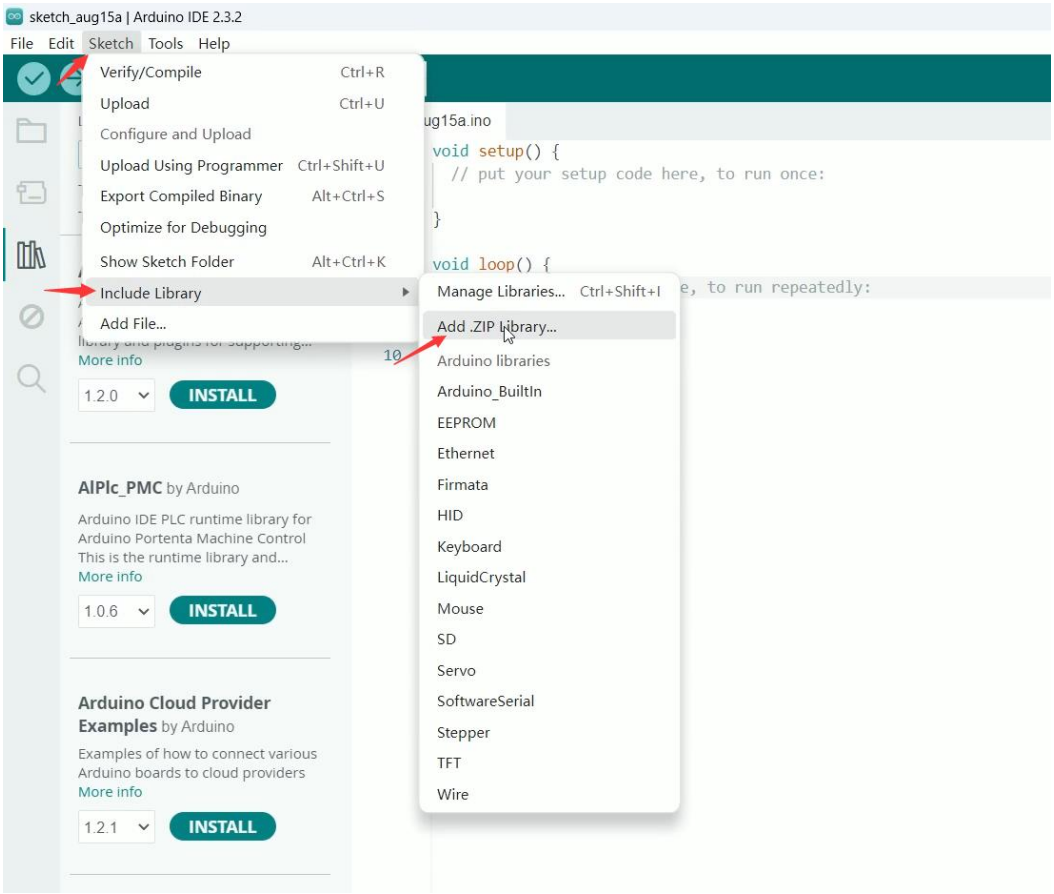


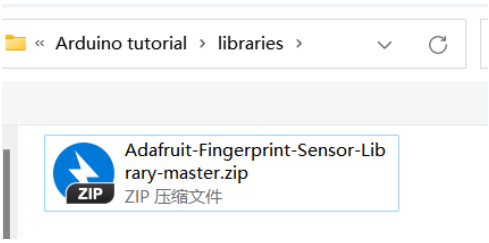




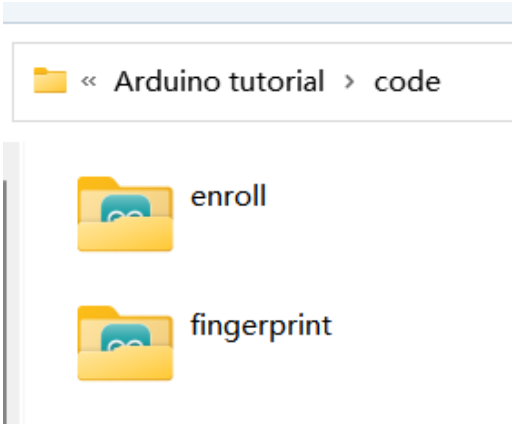
2. Install arduino ide 2.3.2

3. Import library:

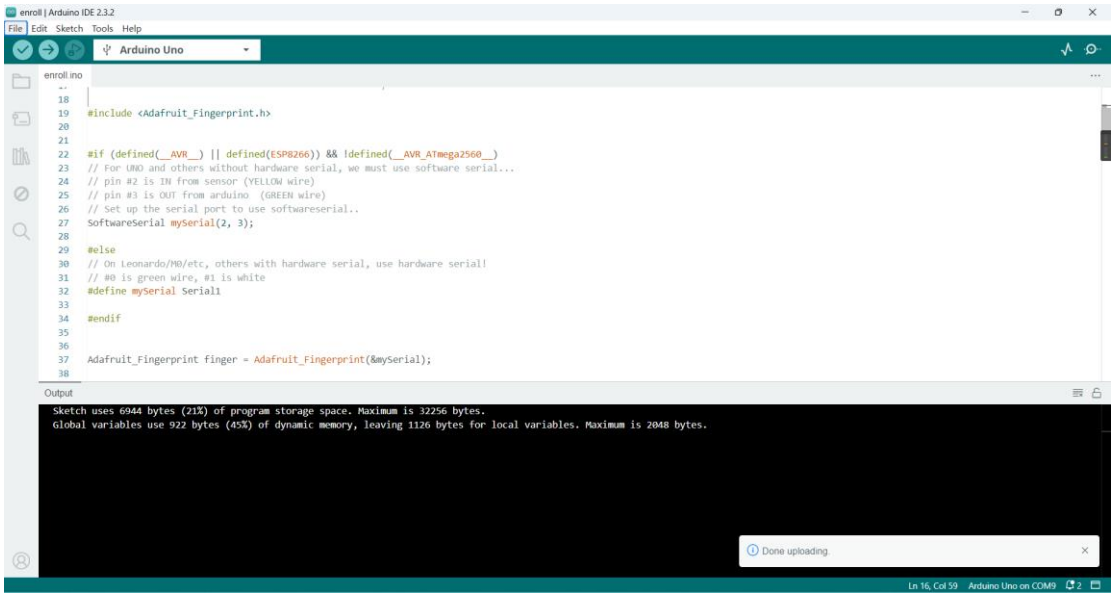




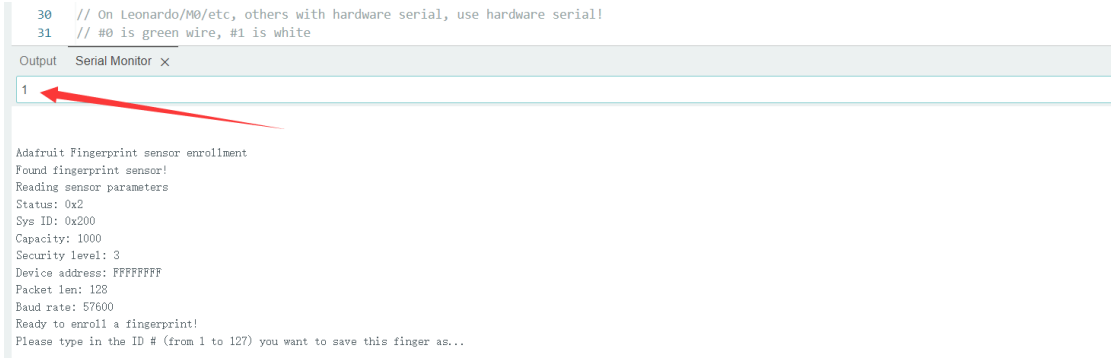
4.Enter the code folder: “enroll” is to enroll fingerprints; “fingerprint” reads the fingerprints.



Open **Enroll.ino** and Upload, and open Serial Monitor



Send “1”

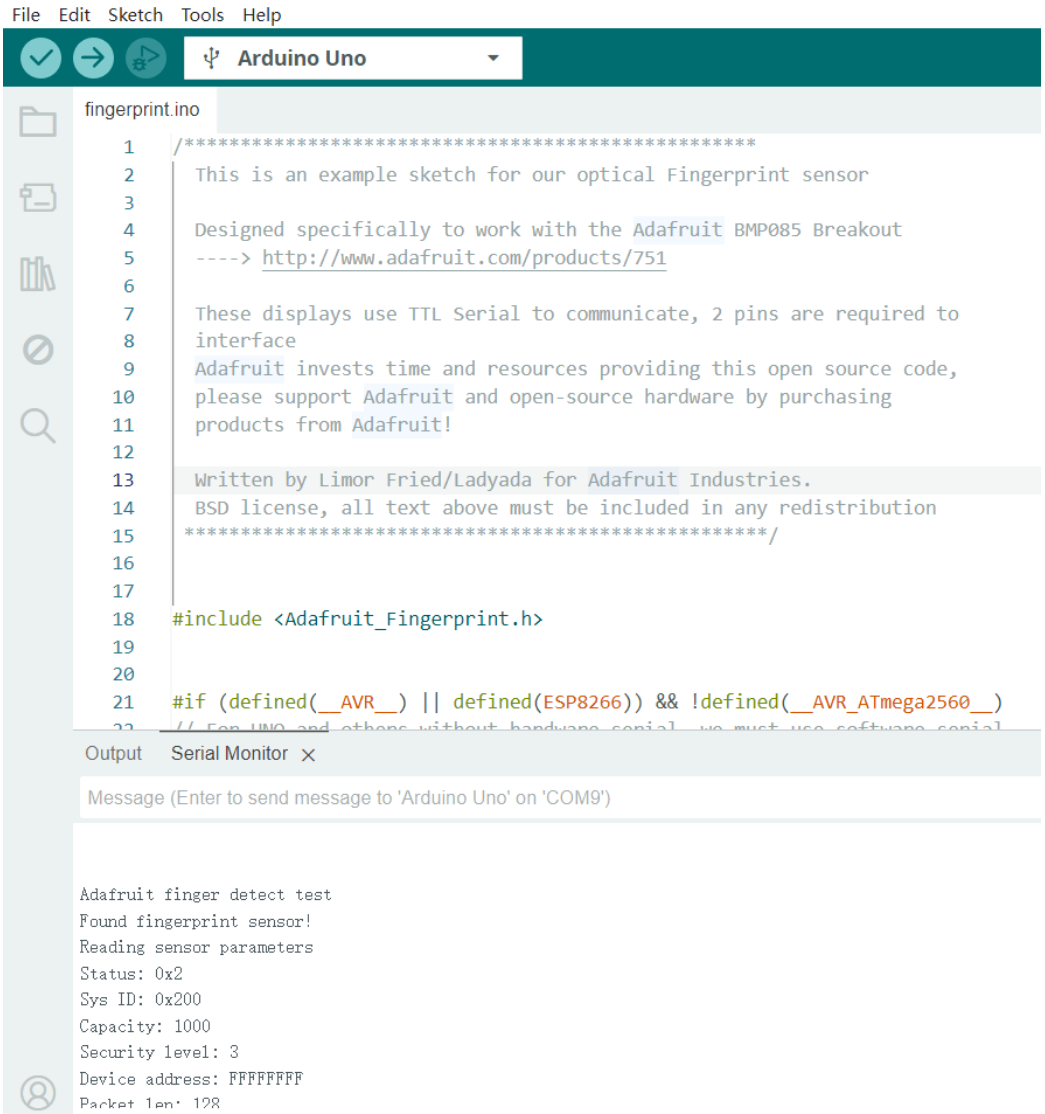



```
Found fingerprint sensor!
Reading sensor parameters
Status: 0x2
Sys ID: 0x200
Capacity: 1000
Security level: 3
Device address: FFFFFFFF
Packet len: 128
Baud rate: 57600
Ready to enroll a fingerprint!
Please type in the ID # (from 1 to 127) you want to save this finger as...
Enrolling ID #1
Waiting for valid finger to enroll as #1
.............
```

Place the finger in the sensing area and repeat twice.

```
Waiting for valid finger to enroll as #1
.....................................................................................
Image converted
Remove finger
ID 1
Place same finger again
.............Image taken
Image converted
Creating model for #1
Prints matched!
ID 1
Stored!
Ready to enroll a fingerprint!
Please type in the ID # (from 1 to 127) you want to save this finger as...
```

Open fingerprint.ino and Upload, open Serial Monitor



Put your finger in the sensing area to identify the fingerprint

```
Message (Enter to send message to 'Arduino Uno'
No finger detected
No finger detected
No finger detected
No finger detected
Image taken
Image converted
Found a print match!
Found ID #1 with confidence of 120
Image taken
Image converted
Unknown error
```