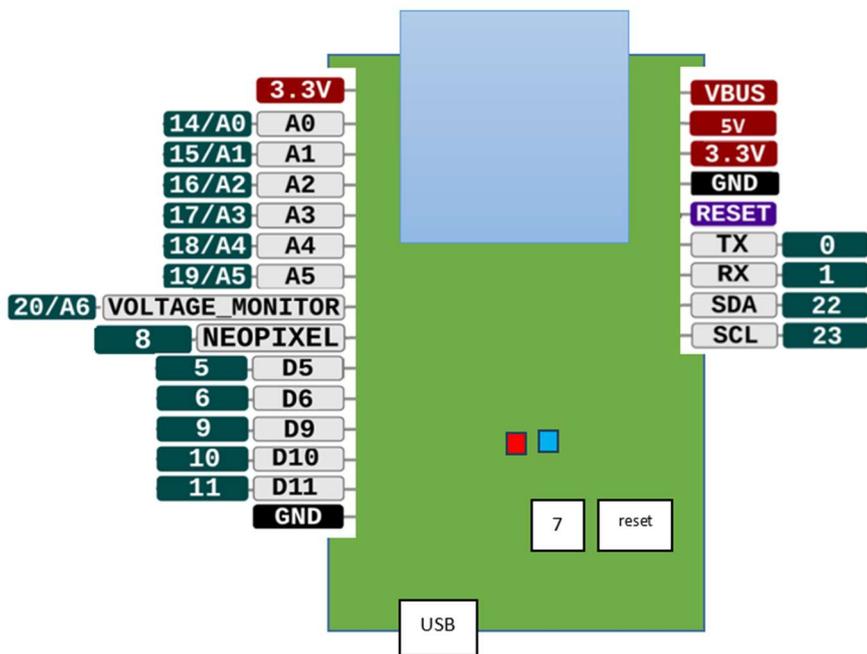


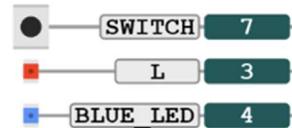
SMART_ARDUINO SETUP GUIDE (V1.0)

SMART_ARDUINO is an Arduino compatible board which shares the same design and firmware from Adafruit nRF52840 Feather.

Beside connecting with SMART_SHILED for all LOKII AI functions, the board supports BLE 5.0 function and following I/O PINs for programming.



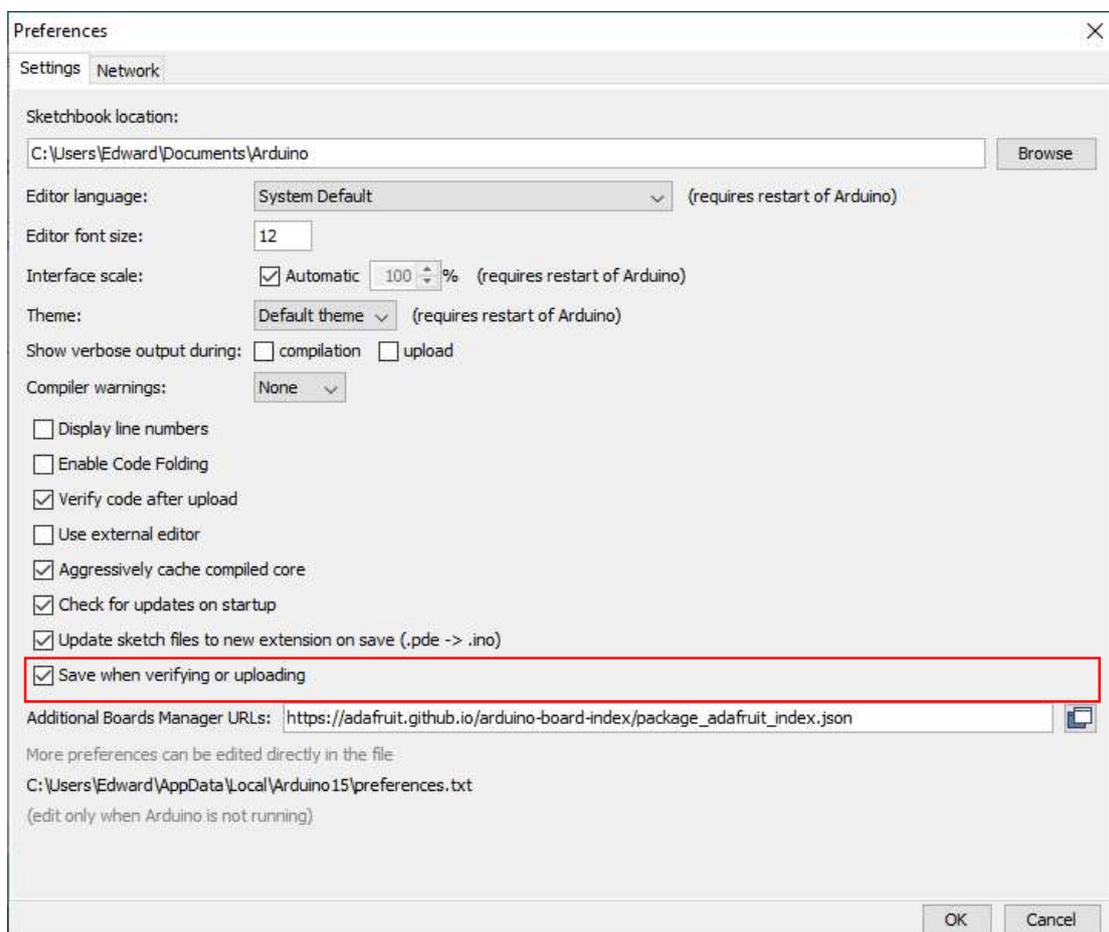
CircuitPython Name
 Arduino Name



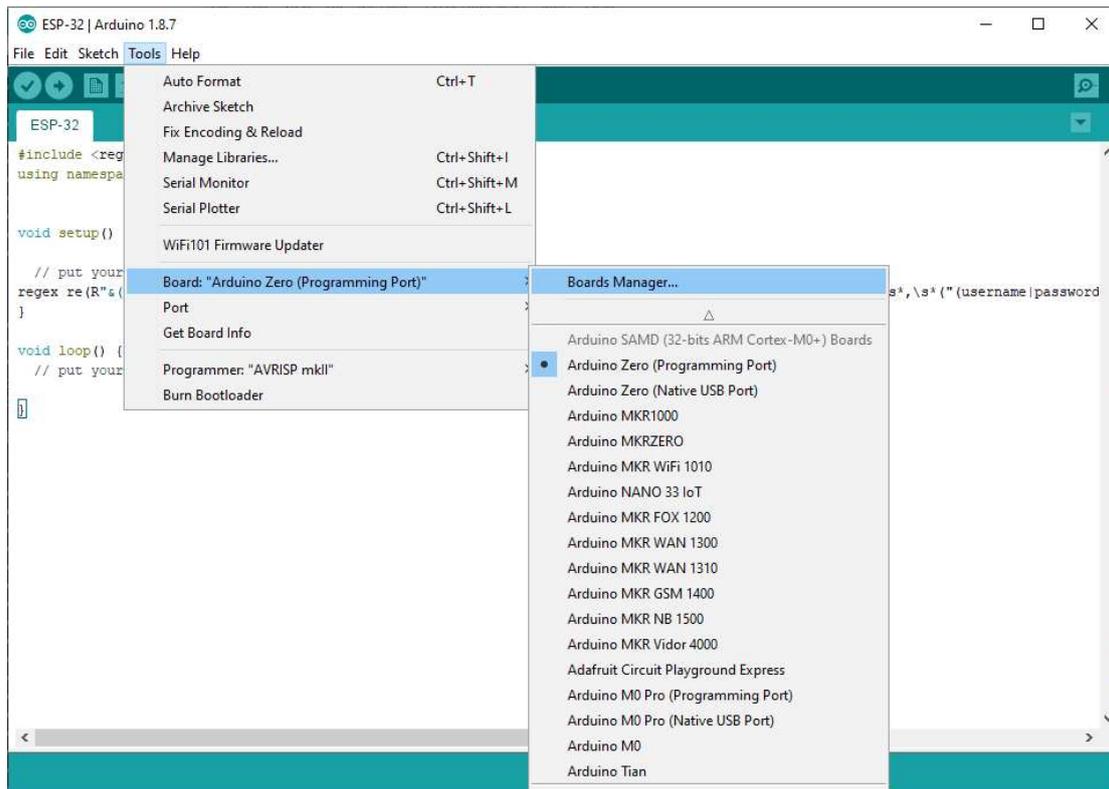
Install Arduino board Support

To install the board support package for Arduino IDE:

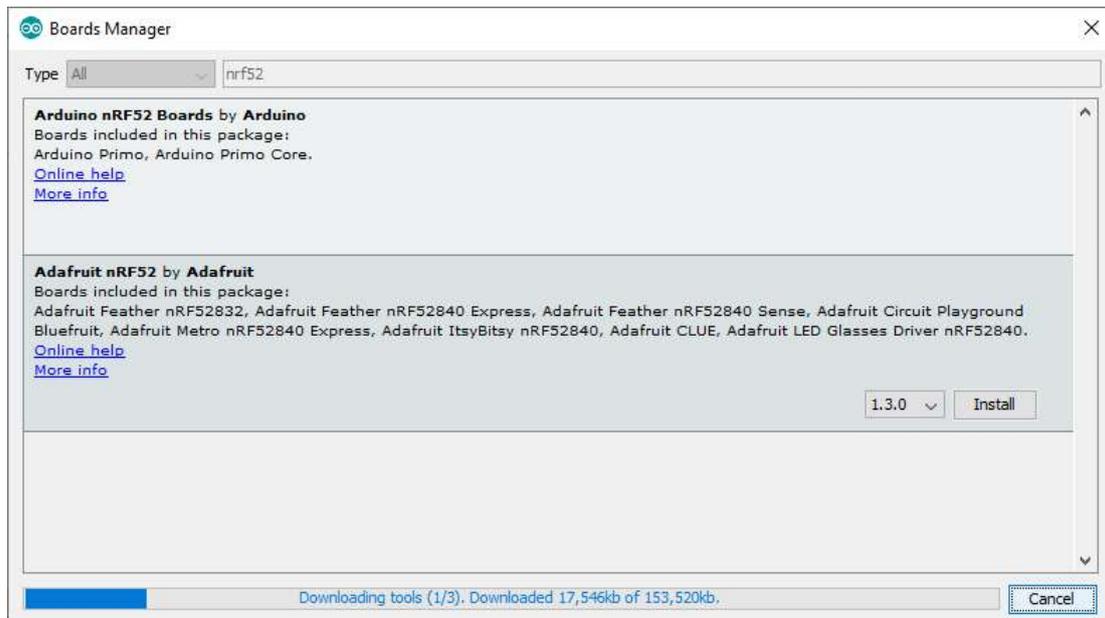
- Download and install Arduino **Legacy IDE (1.8.X)**
<https://www.arduino.cc/en/software>
- Start the Arduino IDE
- Go into Preferences and add https://adafruit.github.io/arduino-board-index/package_adafruit_index.json as an “Additional Board Manager URL” as below



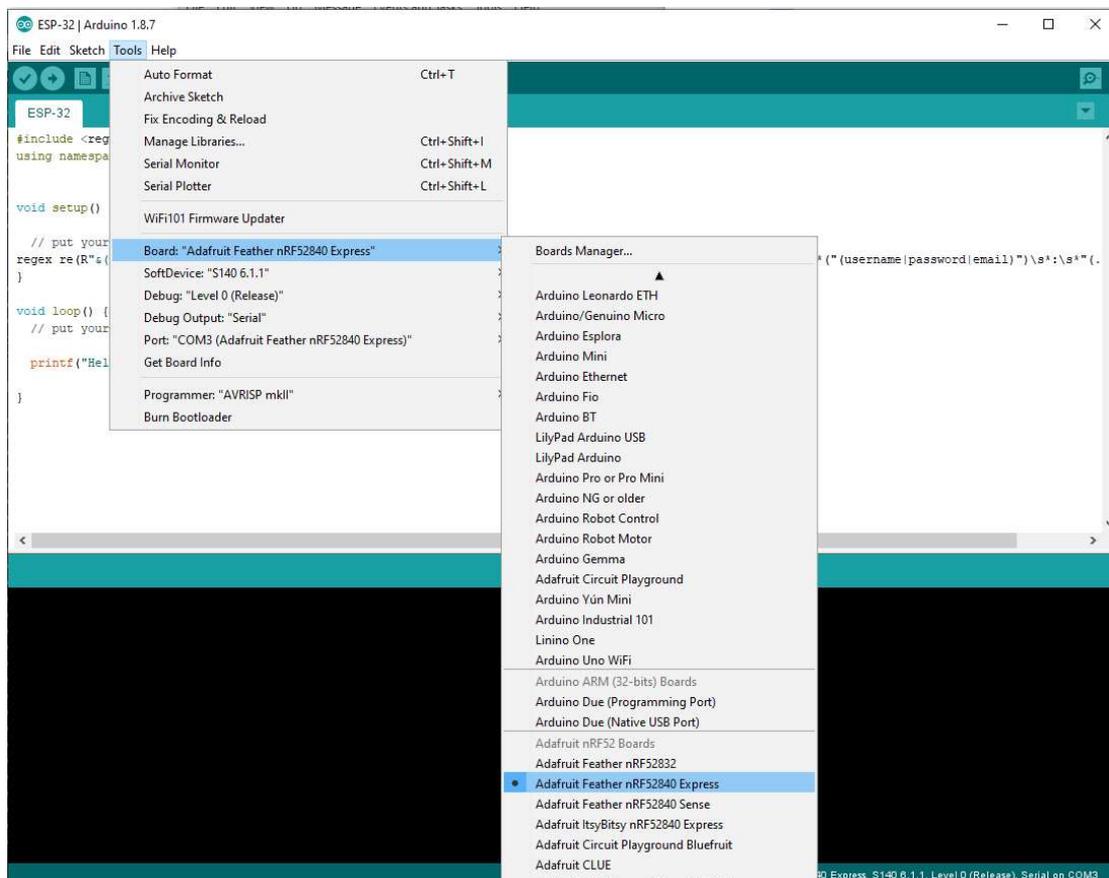
- Restart the Arduino IDE, then open Board Manager from “Tools” menu



- Type "nrf52" to locate "Adafruit nRF52" package and press "Install" to complete the package installation.

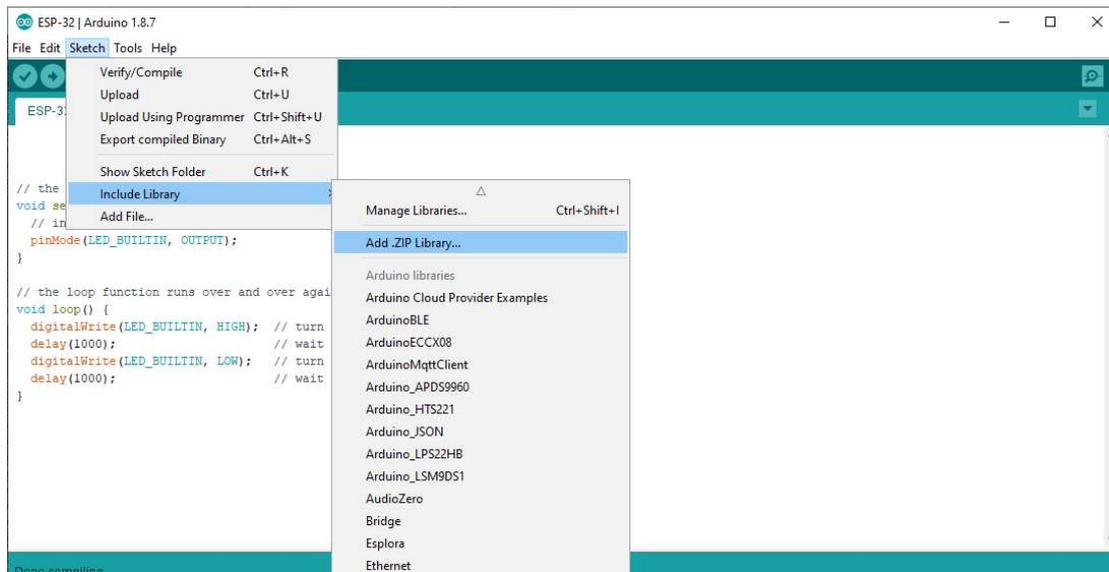


- Once the installation complete, you can connect SMART_ARDUINO to your computer with USB cable and select “Adafruit Feather nRF52840 Express” to configure Arduino IDE to work with this board.

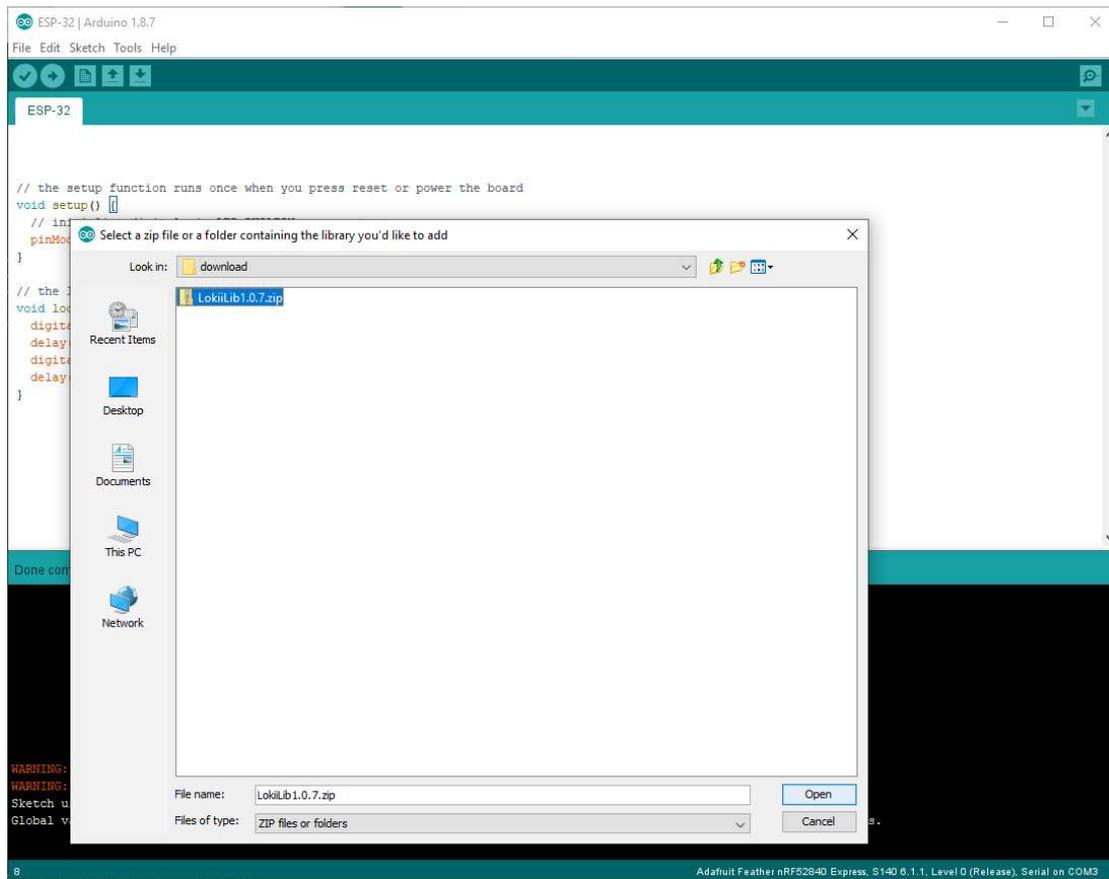


Install LOKII library Support

- Download the latest LokiiLibxxxx.zip <https://github.com/lokii-sys/lokii>
For example, **LokiiLib1.0.7.zip**
- Include Arduino IDE with LOKII library by clicking “Add .ZIP Library ...” from
“Sketch” ==> “Include Library” ==> “Add .ZIP Library”



- Select the zip file and then click open.



After that, we can start programming with LOKII function by including this statement in the Arduino programs:

```
#include "lokii.h"
```

END