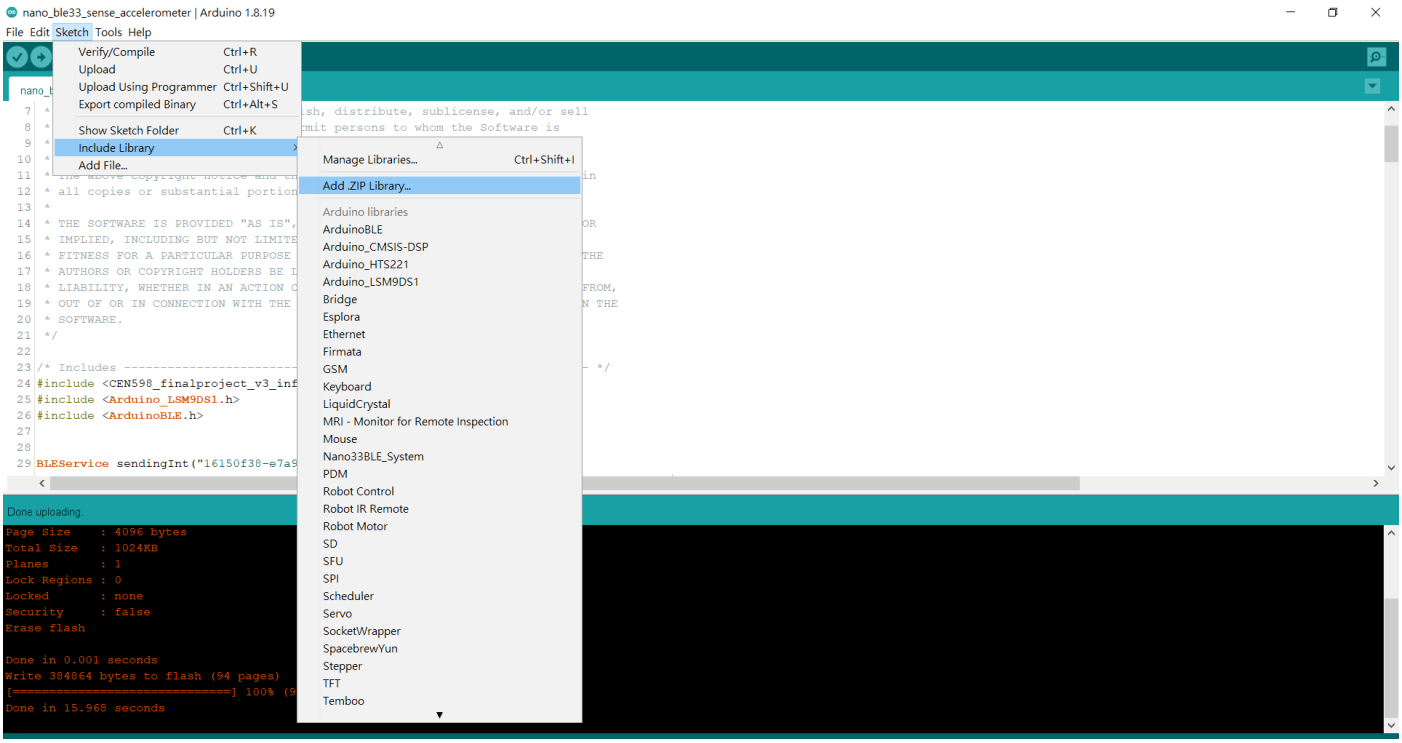
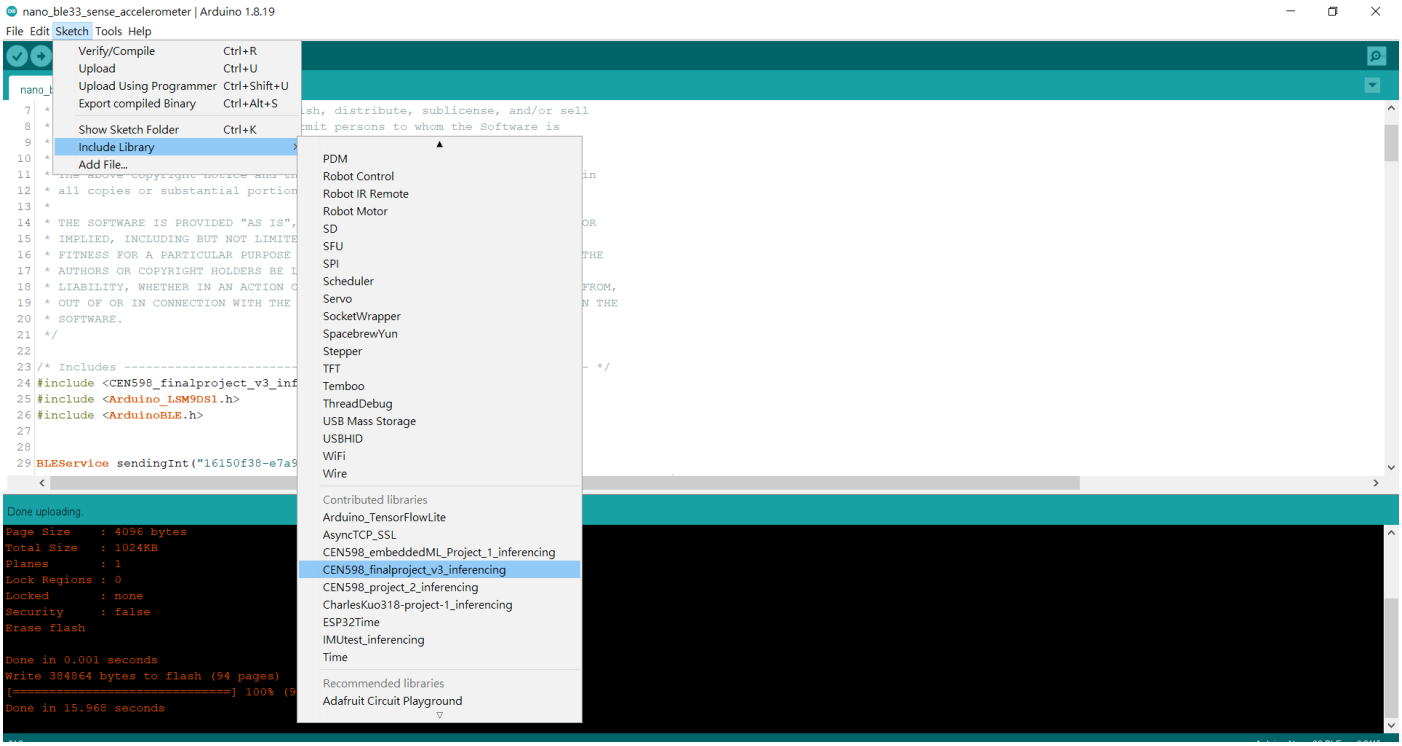
1) Edge Impulse tutorial: https://docs.edgeimpulse.com/docs/tutorials/continuous-motion-recognition#2.-collecting-your-first-data

Arduino Part

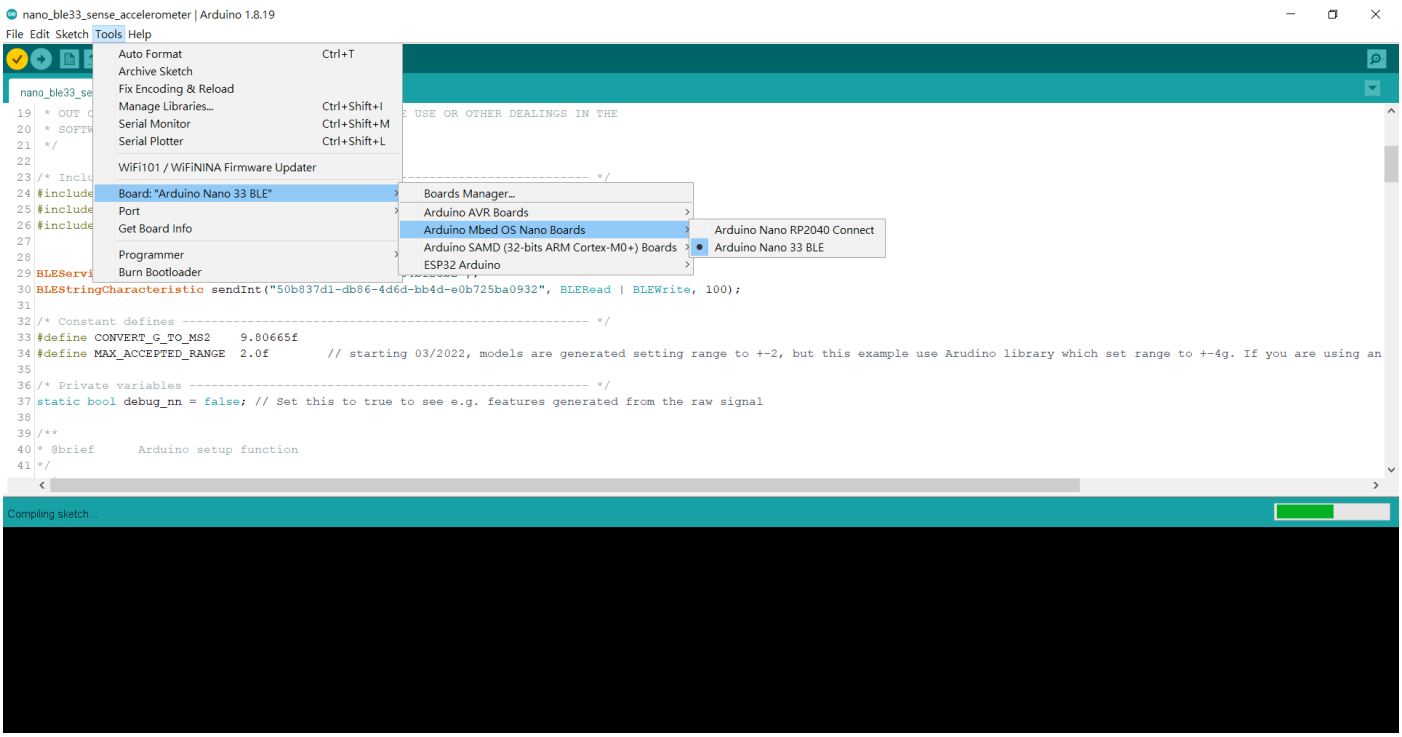
2) Add the “EmbeddedMachineLearning_DetectAbnormalGait\Arduino Library zip file downloaded from Edge Impulse \ei-cen598_finalproject_v3-arduino-1.0.1.zip” to your Arduino Library



After adding the library, you should see “CEN598_finalproject_v3_inferencing” library exist in the contributed libraries.



3) choose Arduino board

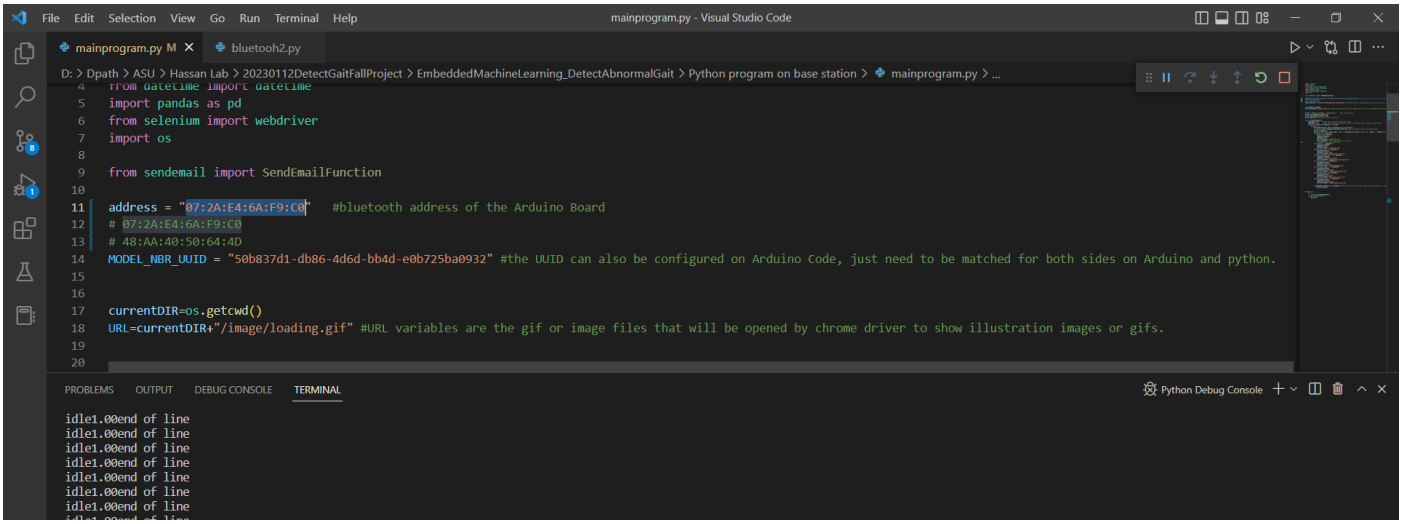


4) Upload “EmbeddedMachineLearning_DetectAbnormalGait\Arduino Code\nano_ble33_sense_accelerometer\nano_ble33_sense_accelerometer.ino” to Nano 33 Sense board. (Better to compile the Arduino code first)

Python program on your PC part

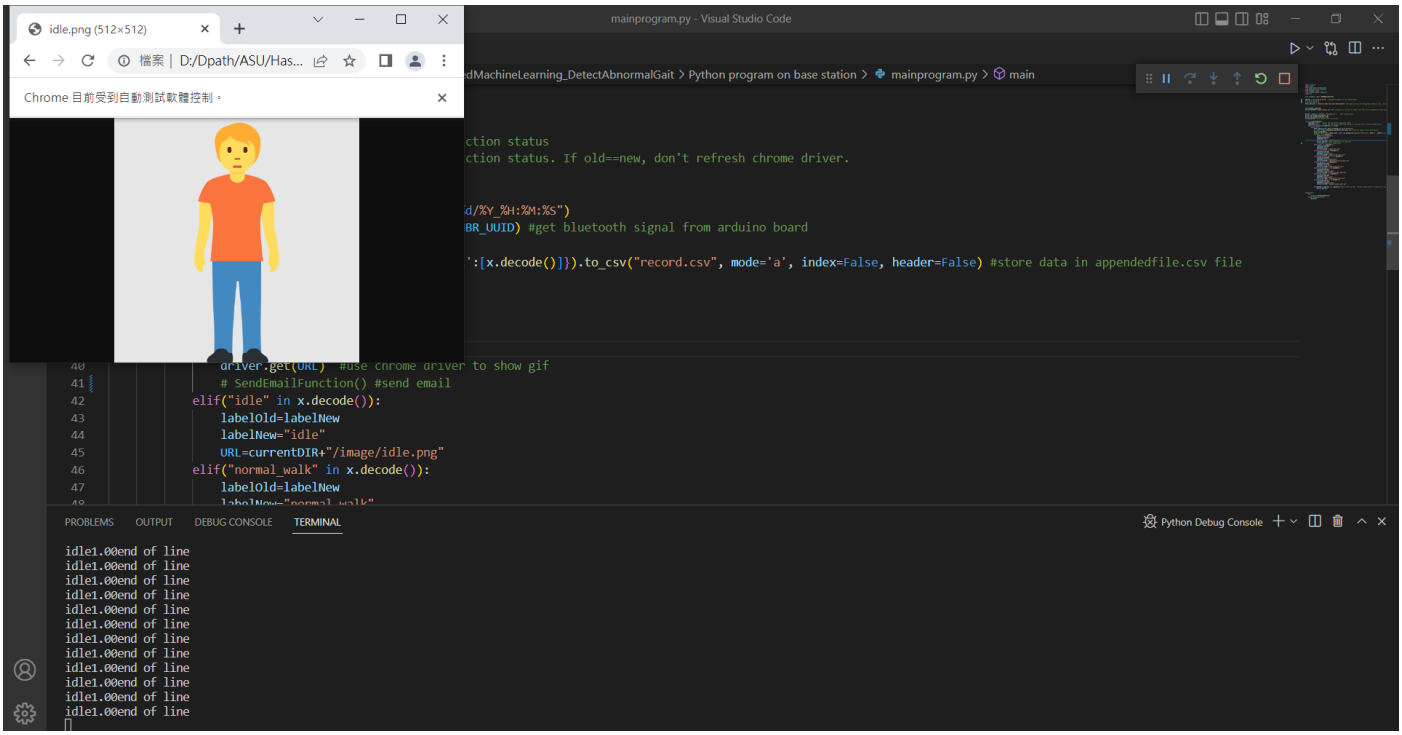
5) Use “bluetooh2.py” python program to find any Bluetooth device that has name: “SendInteger”, and get it’s Bluetooth address.

6) Edit the Bluetooth address in “EmbeddedMachineLearning_DetectAbnormalGait\Python program on base station \mainprogram.py” file



7) Might need to add some python libraries to your python system.

8) Run the “mainprogram.py” file



9)