Python Files.

Update your Pi and python

1. sudo apt-get update
2. sudo apt-get upgrade
3. sudo pip3 install --upgrade setuptools

Once you're done with both and have rebooted, verify you have the I2C and SPI devices with the command

1. ls /dev/i2c\*

Install Python libraries

1. pip3 install RPI.GPIO
2. pip3 install adafruit-blinka

Then create a new named bilnka.py using nano text editor:

import board

import digitalio

import busio

print("Hello blinka!")

# Try to great a Digital input

pin = digitalio.DigitalInOut(board.D4)

print("Digital IO ok!")

# Try to create an I2C device

i2c = busio.I2C(board.SCL, board.SDA)

print("I2C ok!")

# Try to create an SPI device

spi = busio.SPI(board.SCLK, board.MOSI, board.MISO)

print("SPI ok!")

print("done!")

Then run this file

python3 blinkatest.py

Your output should look similar to this. If SPI is not working; it’s not a problem because we are not using it.

