**Obtaining the values of yaw,pitch, and roll values from MPU6050 in Nvdia jetson nano using Serial communication:**

**MPU6050:**

[https://github.com/jrowberg/i2cdevlib/zipball/mast…](https://github.com/jrowberg/i2cdevlib/zipball/master)

Download I2Cdev and MPU6050 Libraries from the link above. Plug your Arduino Board to your jetson nano and upload the code (MPU6050\_DMP6). Note down the serial port, it is useful while writing the python code for serial commination between Arduino and jetson nano.

Open the text editor and write the following python code and save it is as ‘***serial\_com.py’***:

***import serial***

***with serial.Serial('/dev/ttyACM1',115200) as ser: # '/dev/ttyACM1' is serial port name***

***while True:***

***print(ser.readline())***

**open command window and type:**

*python3 serial\_com.py*

*(you will ypr values getting printed).*

Reference: <http://blog.rareschool.com/2019/05/five-steps-to-connect-jetson-nano-and.html>