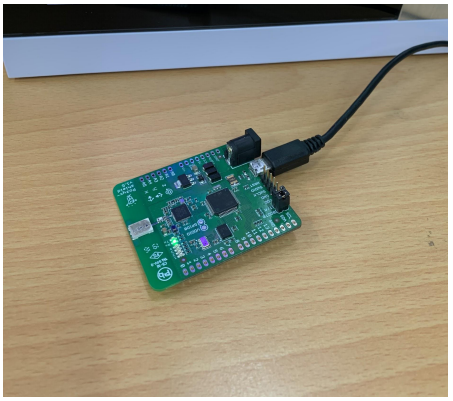
UWB testing

package : uwb_test

1. Setup :

Choose four uwb sensors , choose 3 and connect to the power , these are used as anchors .

And 1 using the micro usb port plug into your computer , this is used as a tag .

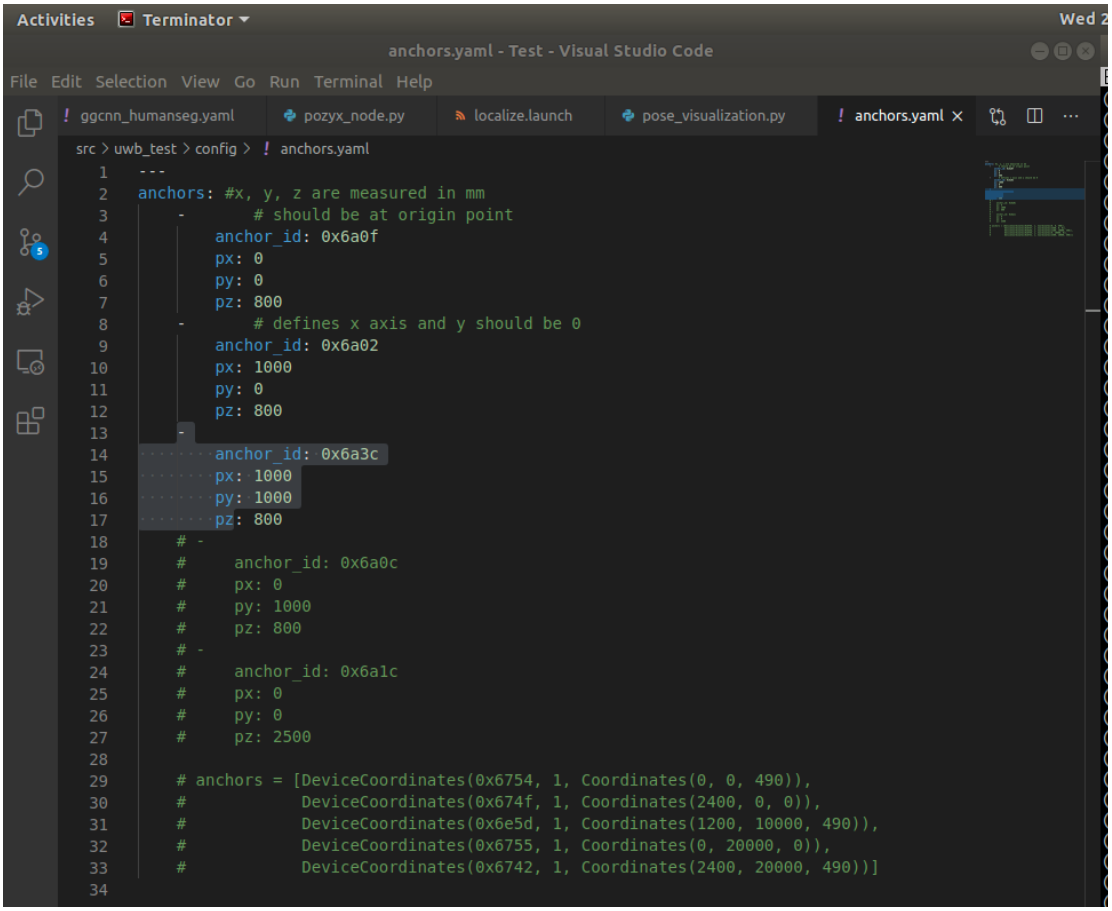


Each sensor has its id shown behind .

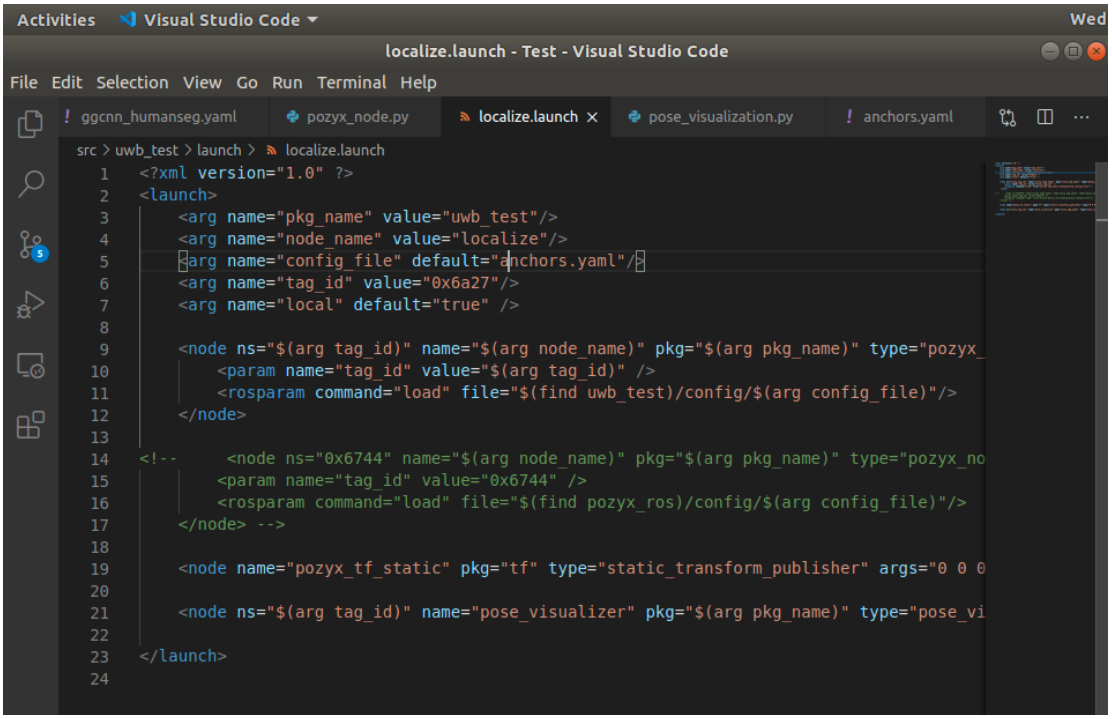
After connecting all sensors , the light of the sensor should flash (one green one red) , or it is broken .

Place all sensors just on your desk .

Open the 'anchors.yaml' in the package , this is the id config file of anchors , change the id which you use .

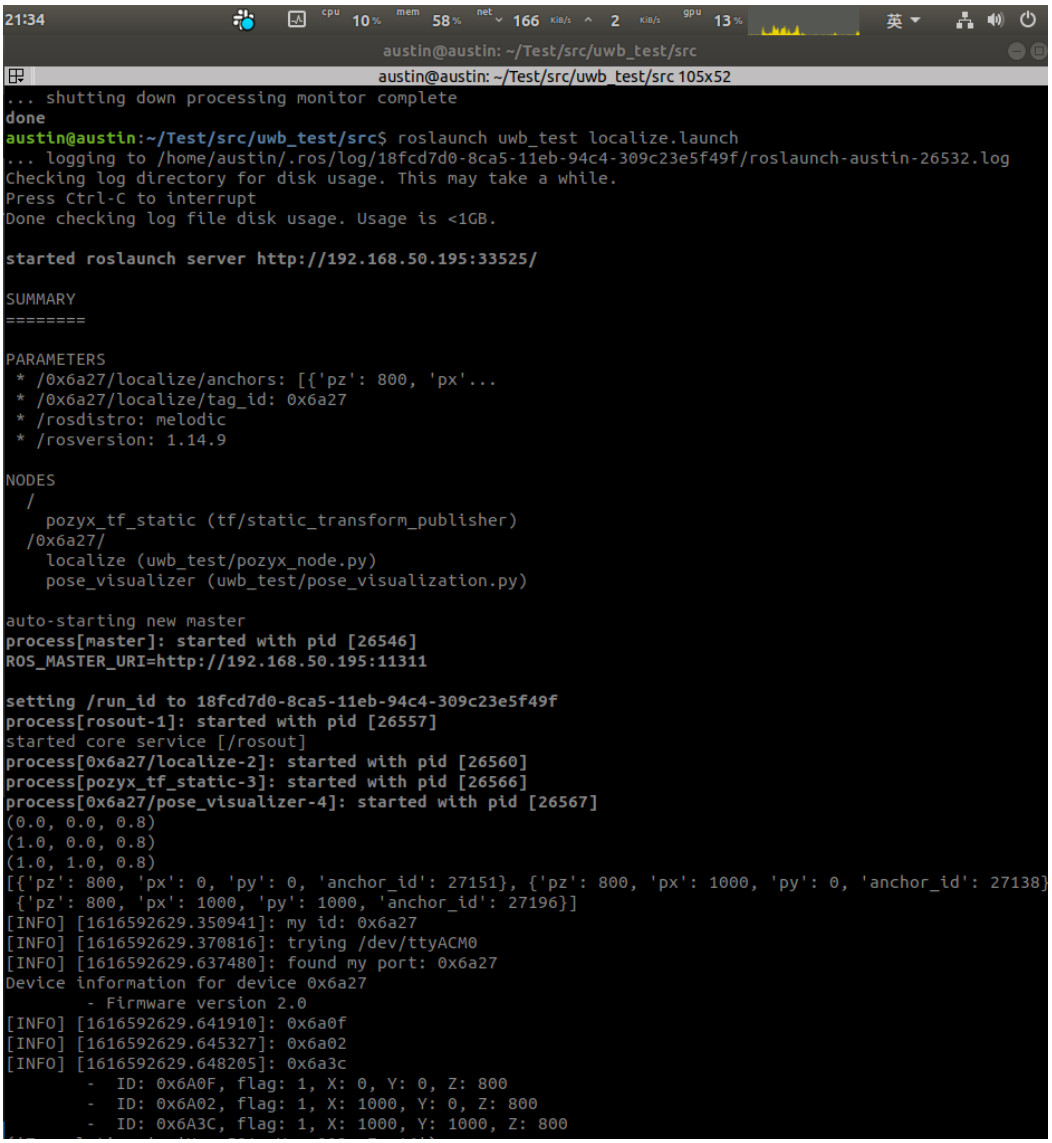


Open localize.launch , change the 'tag_id' which you use .

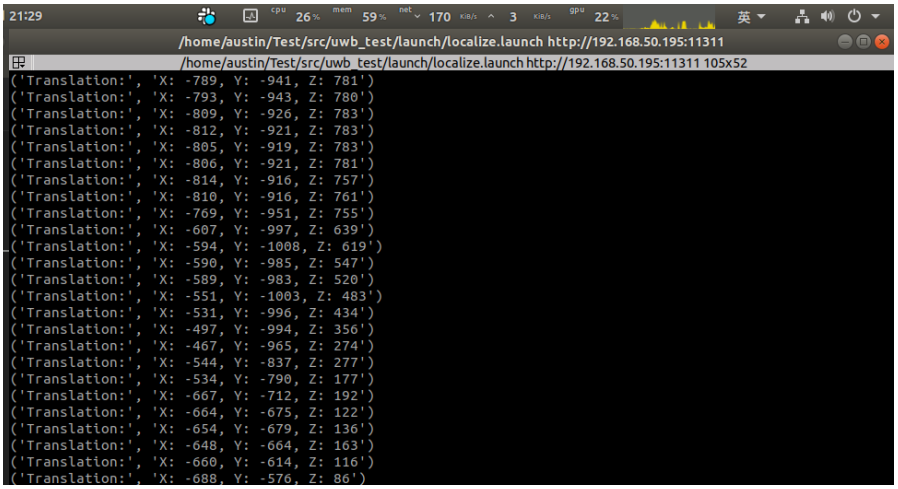


2. Testing :

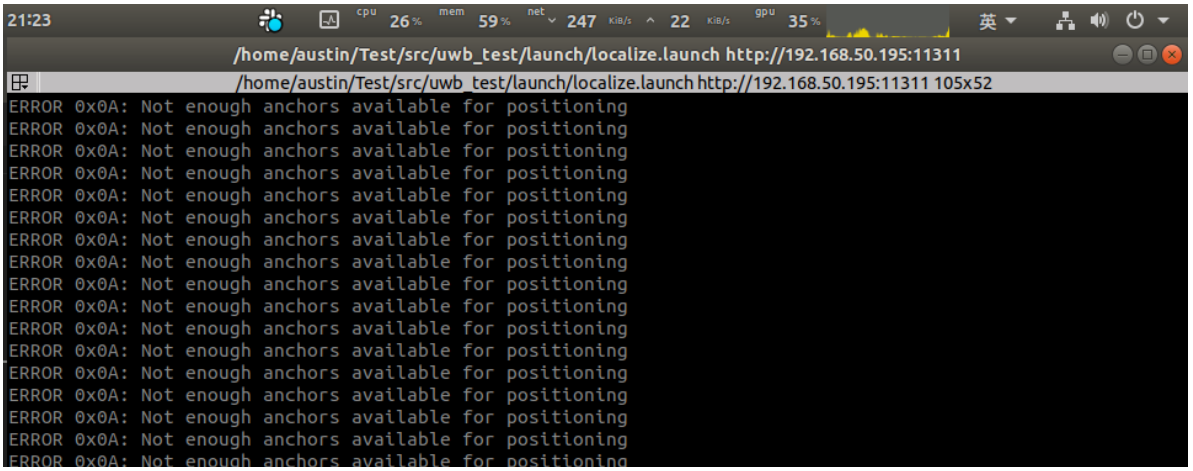
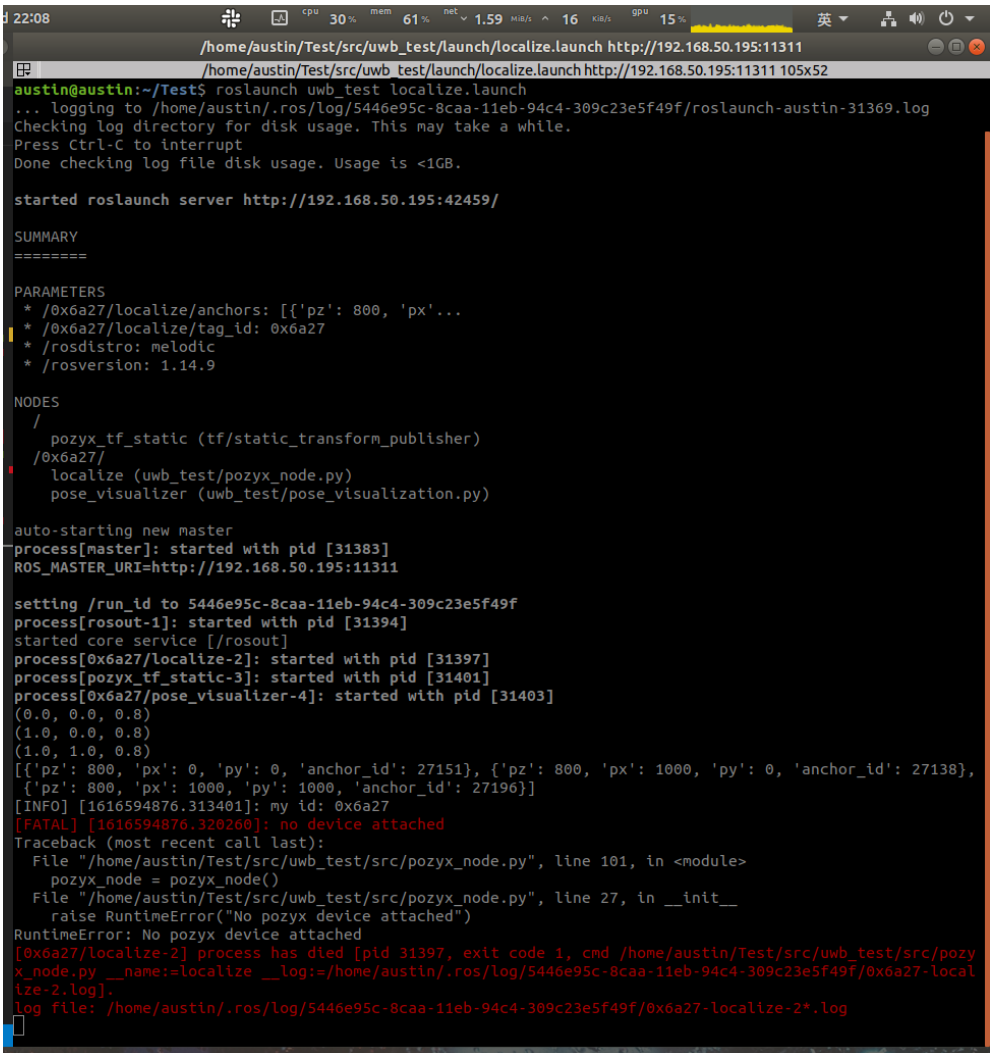
PC $ roslaunch uwb_test localize.launch



If has position message is shown , then the four sensors work .



If shown like below (that means the num of anchors is fewer than 3 , because it needs at least 3 anchors to do 3D positioning), it may have some sensors broken , then random change one of the sensors and retry , just do the cross testing .



If shown like below , the tag may be broken .