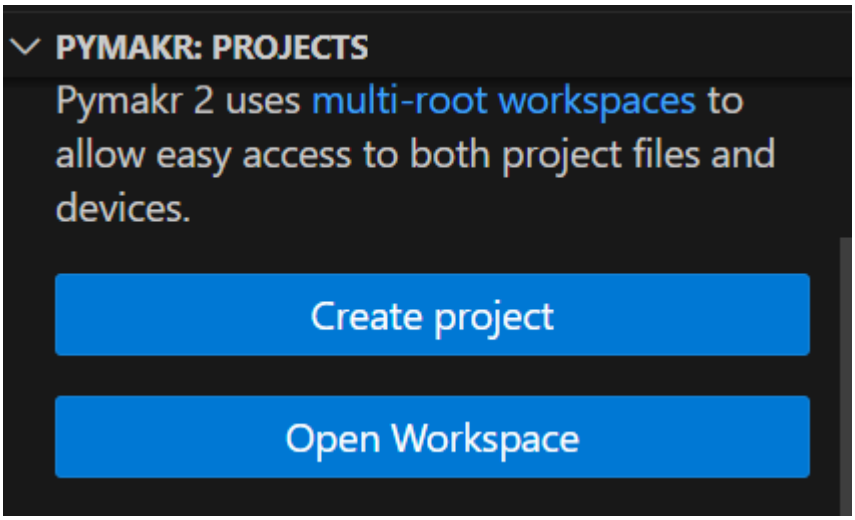
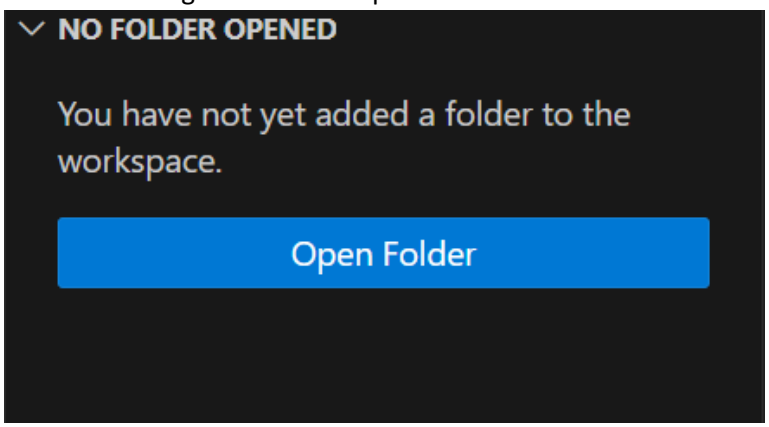
If you think your board might be missing files or your “main.py” file is empty, you should run a script through the online IDE first.

1. Create a folder you want to work out of
    a. I called mine XRP_Project

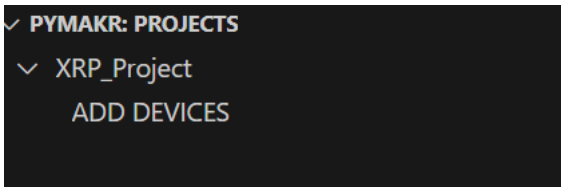
2. Under PYMAKER:PROJECTS, Click on create project and select the new folder
    a. This will put a file called “pymakr.conf” into that folder
    b. The option to create a project will STILL be visible afterwards



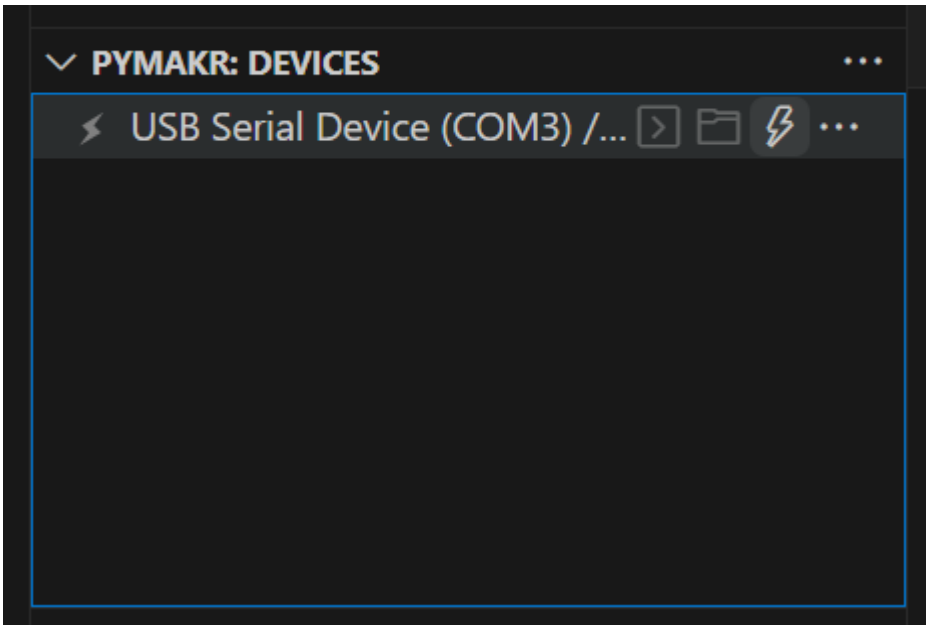
3. We then need to go to our Workspace tab and add the same folder to the workspace



    a. At this point, the projects tab will change and should look like this

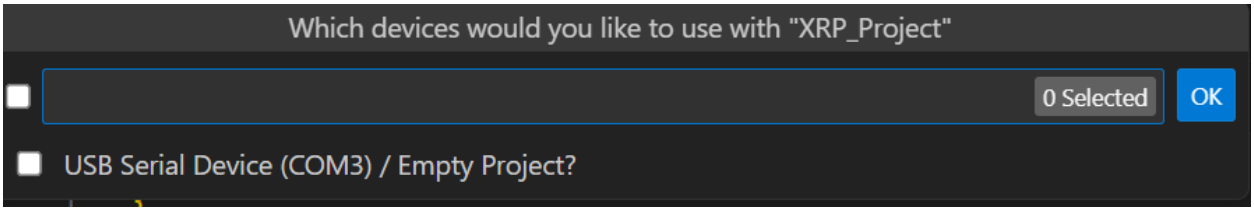


4. When we plug in the device, we should see it under PYMAKR:DEVICES
    a. We click on the lightning bolt to connect to the board

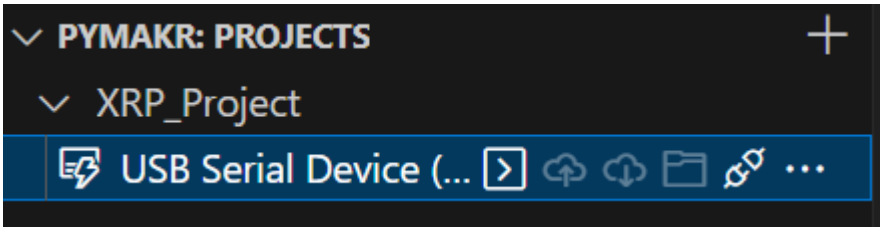


    b. You have to have “Node.js” installed for it to see the board

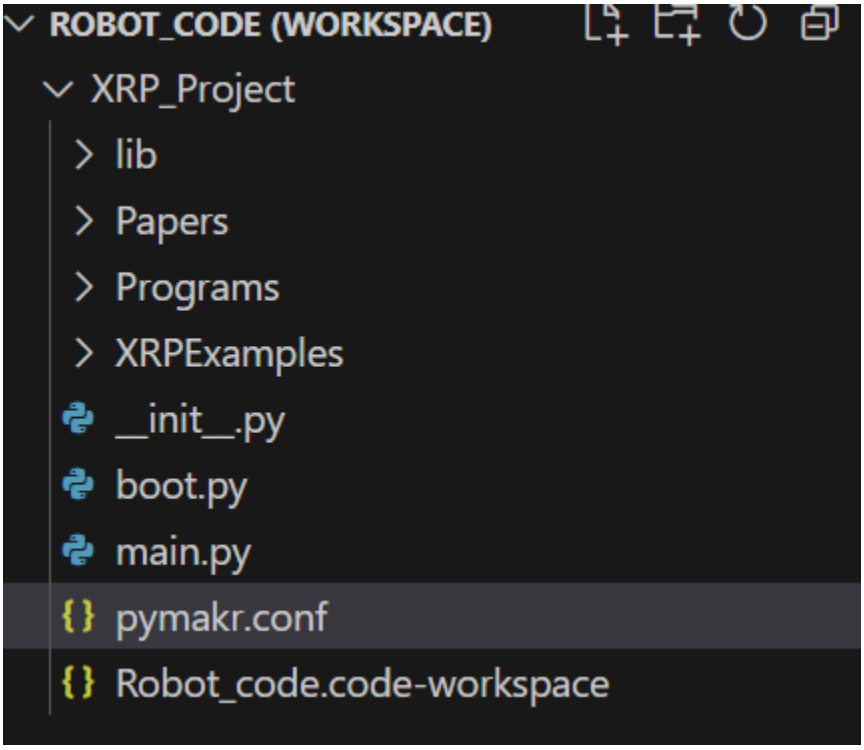
5. Once we are connected we need to select ADD DEVICES
    a. This opens a tab at the top of the window



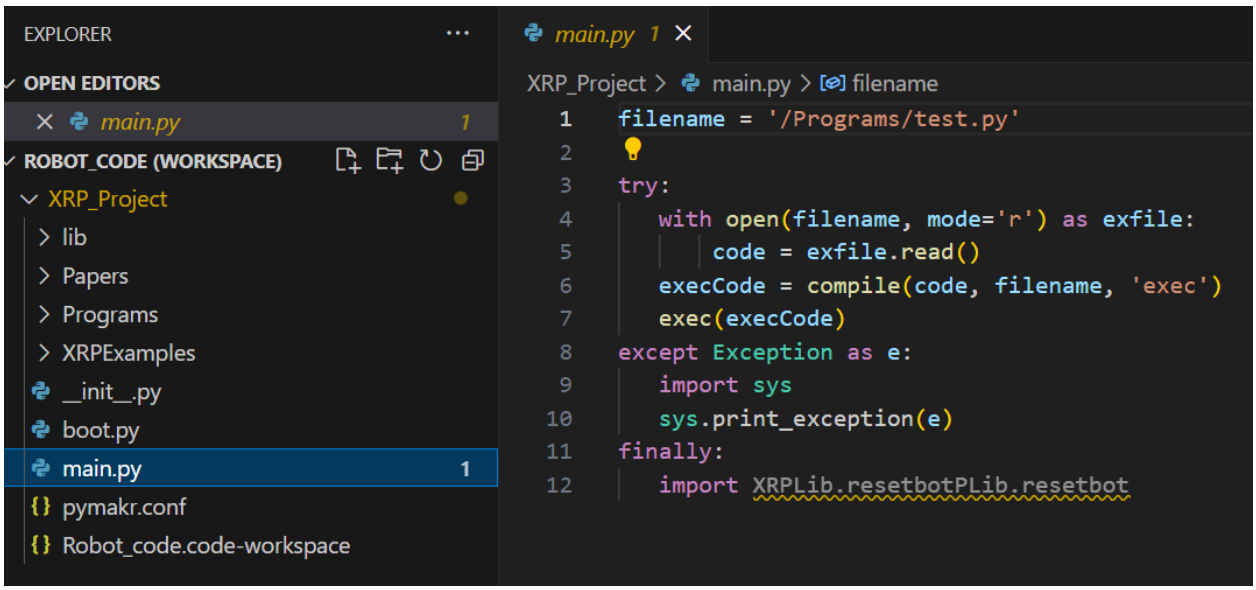
6. Under PYMAKER:PROJECTS, we can now download and upload files to the board
    a. If everything is greyed out, we can click on the three dots and select “stop script”



7. To download the files on the board, we use the cloud with the down arrow
    a. If this worked correctly, you should see your folder in the workspace populate



8. To run a specific file, you will need to open the “main.py” file
    a. It should look similar to this



    b. To have the board run a specific file, we just need to change the filename
        i. I made my filename a variable so I only have to change it in one place
        ii. Also, I made a folder on my board called Programs, so my files are referenced from the Programs folder

9. To upload code to the board, we use the cloud with the up arrow
    a. Again, if that option isn't there, try Stop Script

10. Once the upload is completed, you need to hard reset the board
    a. This can be done with the reset button, or there is an option under Stop Script

11. If you want to see terminal output, you must use this Create terminal button
    a. A hard reset disconnects the board, so you have to reconnect to see output
    b. Note: If it tries to print to the terminal before you are reconnected, there simply will not be any output