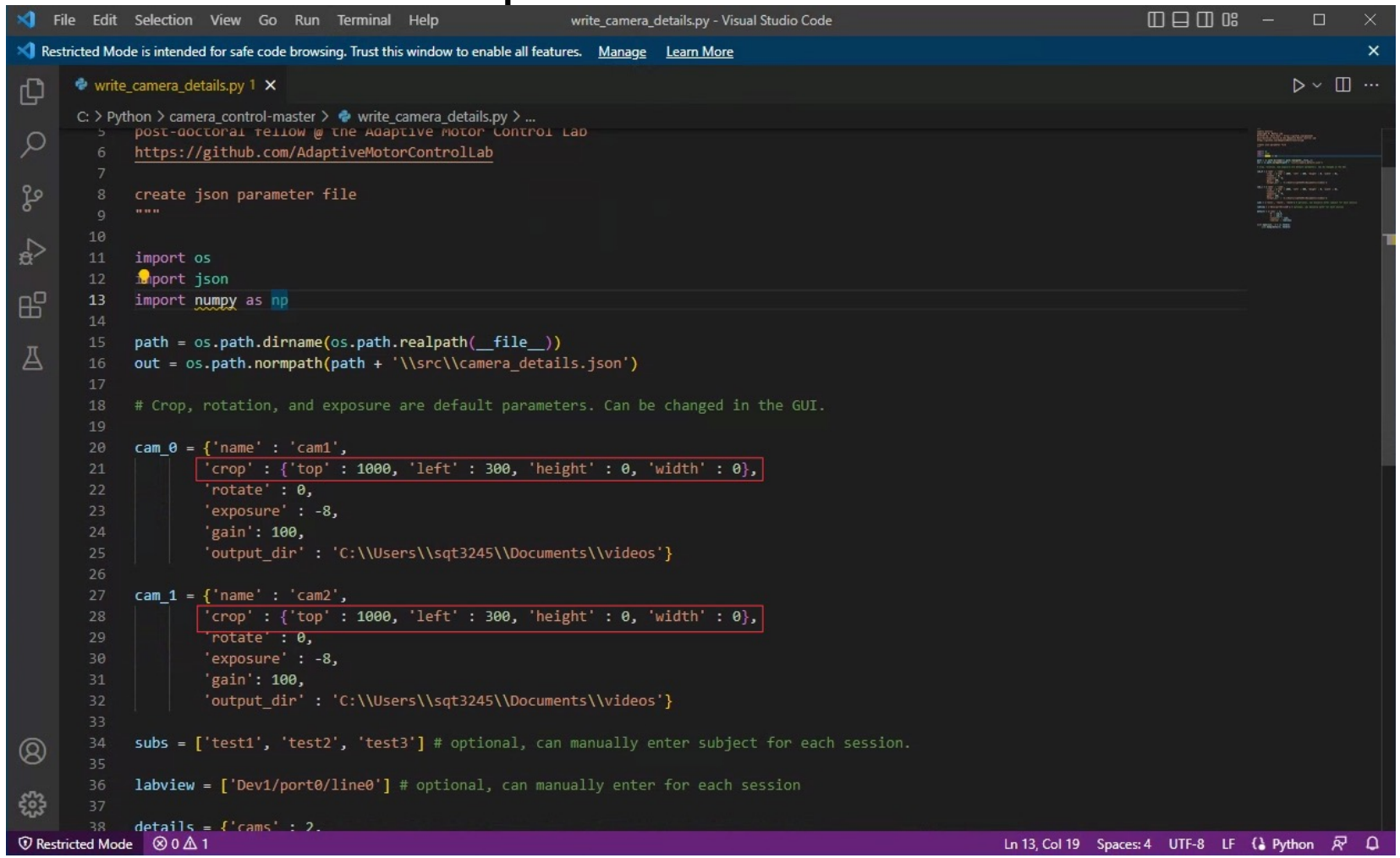
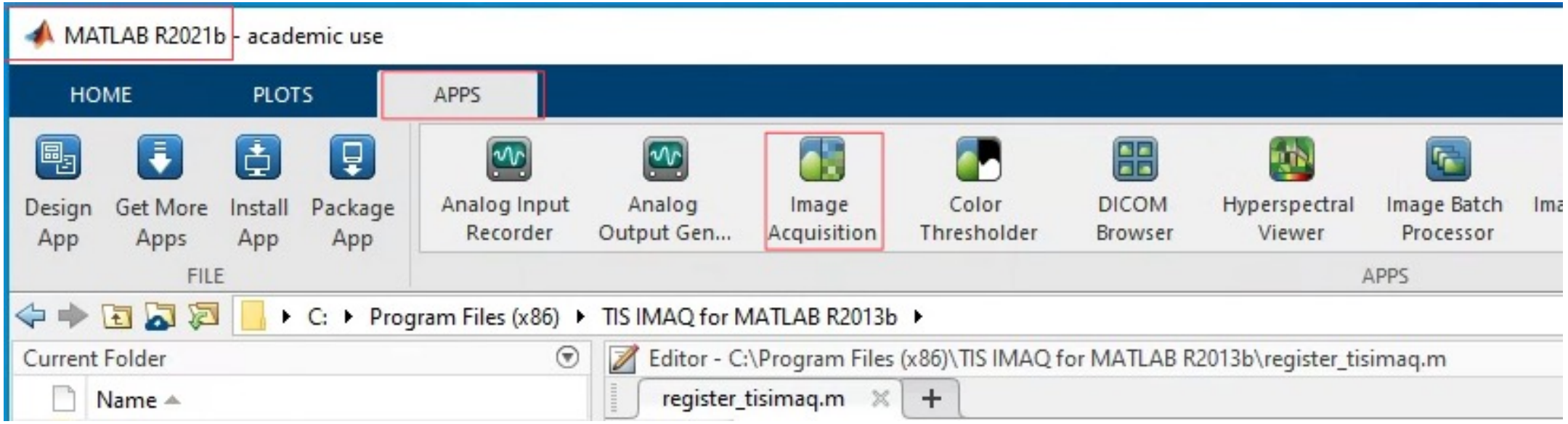
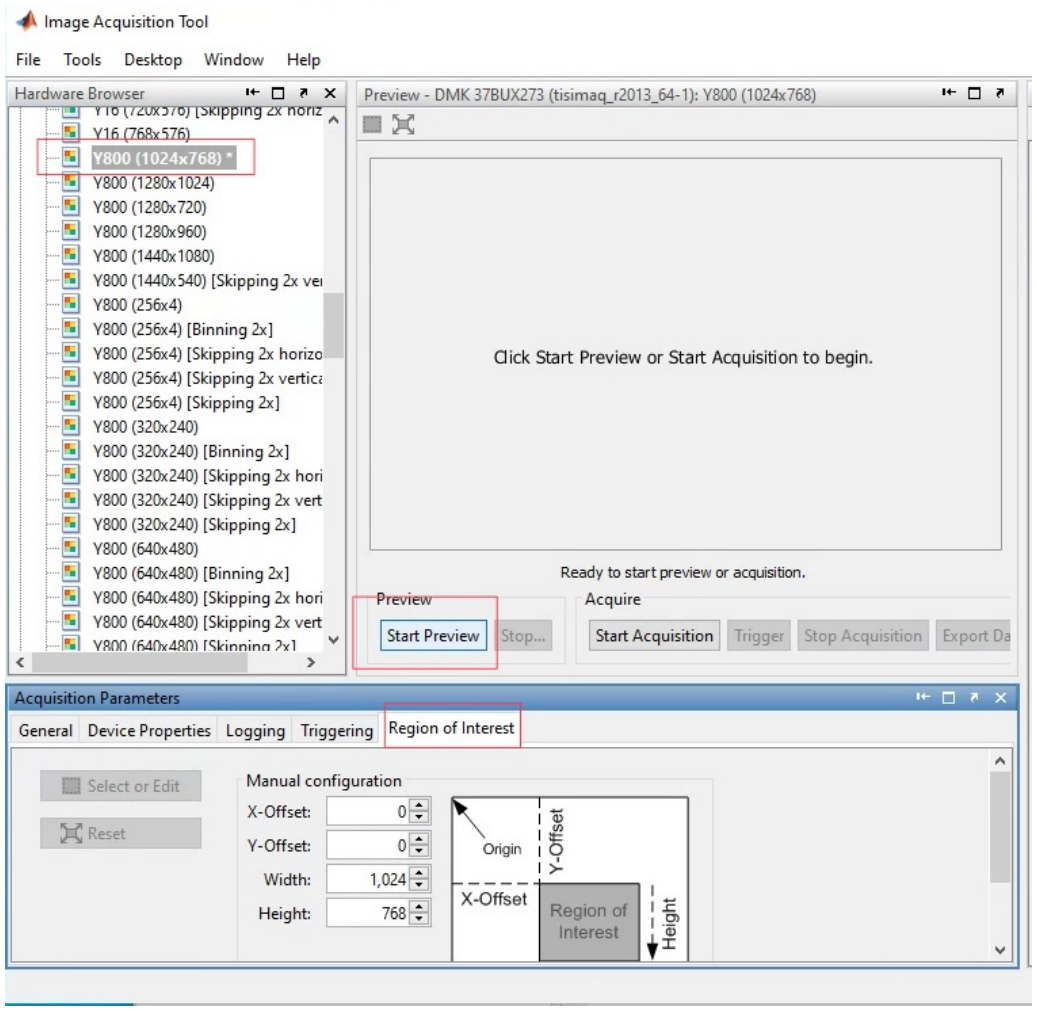
Python GUI FOV change

Open the write_camera_details.py and adjust the boxed parameters. Next slides will show how to obtain those parameters.

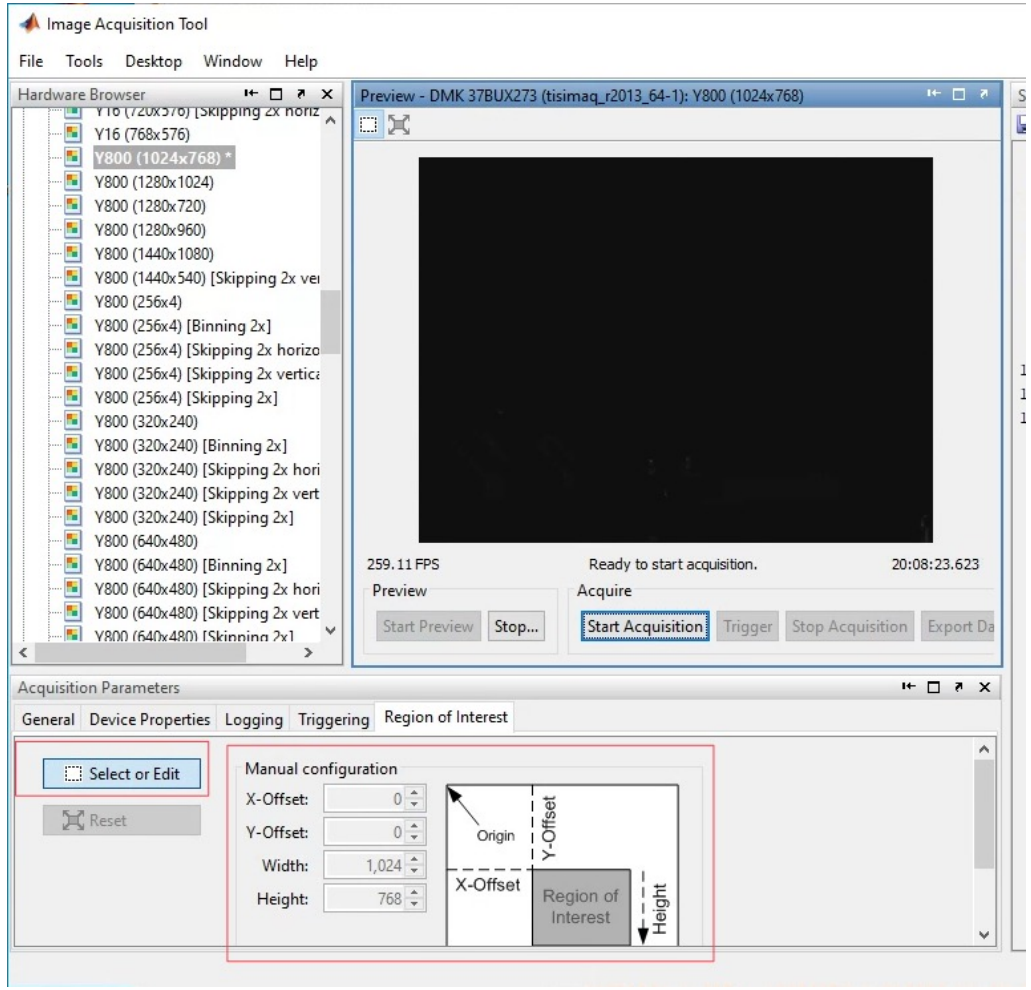


Open matlab 2021b. In the apps section, open “image acquisition” tool.



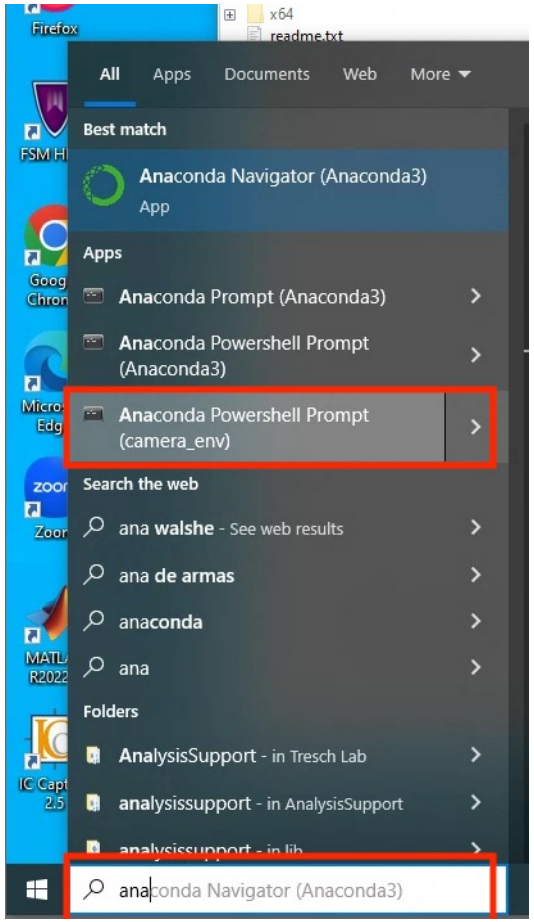


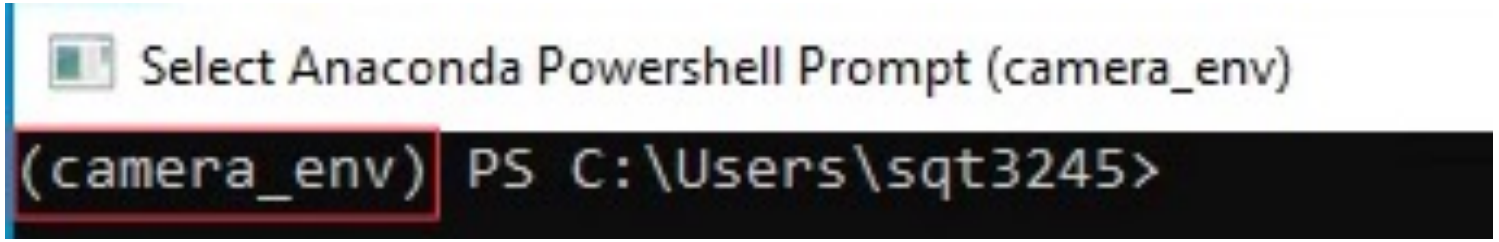
For each of the camera, select “Y800 (1024x768). Select the ”Region of Interest” tab, then click “Preview”



Adjust the field of view by click “Select or Edit” button. When done, record the “Manual configuration” parameters and translate them into the python script

Open Anaconda powershell and activate the “camera_env” environment.





Type “python write_camera_details.py” to run the script. Then run the camera script to verify the FOV changes