

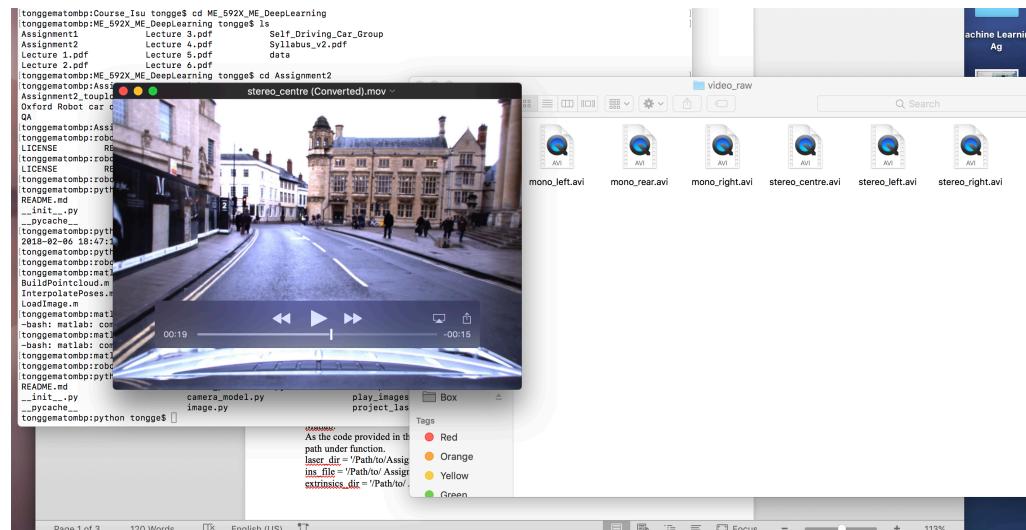
Package required:

- numpy
- matplotlib
- pillow
- colour_demosaicing
- opencv

Task1:

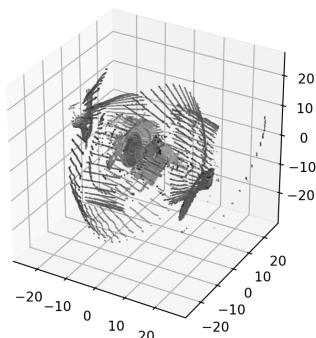
1. cd path/to/Assignment_2_Code/robotcar-dataset-sdk-2.1/python
2. python3 play_images.py ../../sample/stereo/centre --models_dir ./models
(video stack all processed images together will be stored under “python” folder as avi file)

```
tonggematombp:python tongge$ python3 play_images.py ../../sample/stereo/centre --models_dir ./models
2018-02-06 18:47:12.878 Python[5307:219111] WARNING: -finishWriting should not be called on the main thread.
tonggematombp:python tongge$ cd ..
tonggematombp:robotcar-dataset-sdk-2.1 tongge$ cd matlab
```



Task2:

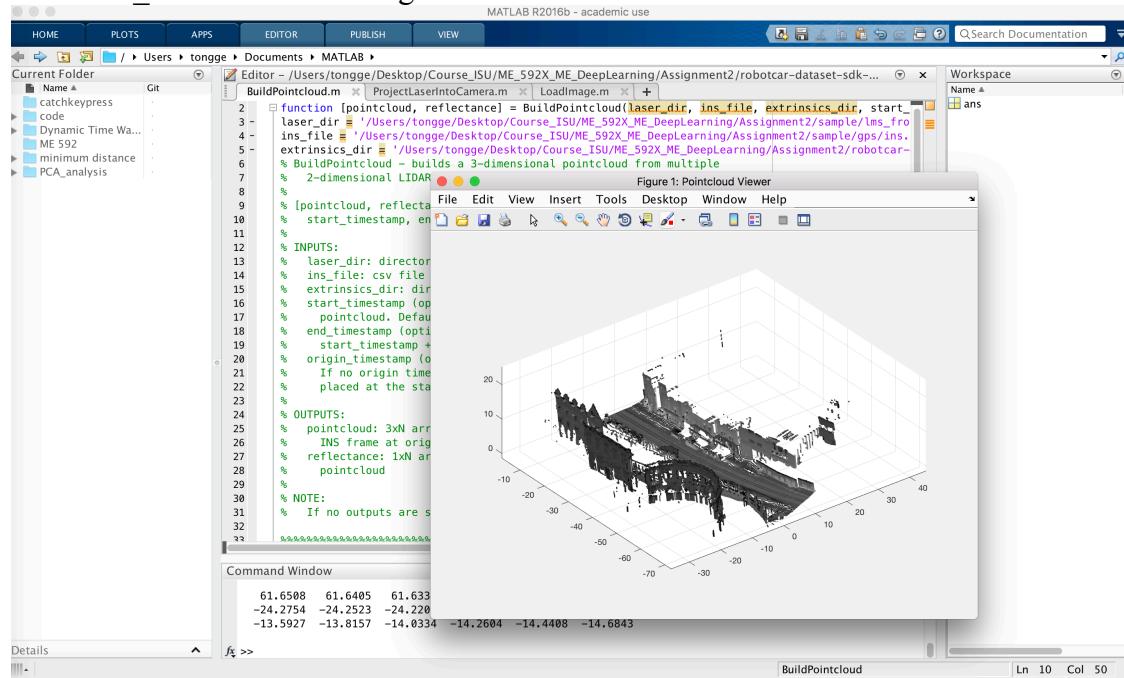
Instead of using Python3, this task2 was done by matlab since the Python3 not working well.



Matlab:

As the code provided in the github, run the matlab code “BuildPointcloud.m”, change the dir path under function.

```
laser_dir = '/Path/to/Assignment2/sample_data/lms_front'  
ins_file = '/Path/to/Assignment2/sample_data/gps/ins.csv'  
extrinsics_dir = '/Path/to/Assignment2/Code/extrinsics'
```



Task3:

As the code provided in the github, run the matlab code “ProjectLaserIntoCamera.m”, change the dir path under function.

```
laser_dir = '/Path/to/Assignment2/sample_data/ldmrs'  
ins_file = '/Path/to/Assignment2/sample_data/gps/ins.csv'  
extrinsics_dir = '/Path/to/Assignment2/Code/extrinsics'  
models_dir = '/Path/to/Assignment2/Code/models'  
image_dir = '/Path/to/Assignment2/Code/stereo/centre'
```

